

<213> Glycine max

<400> 8216

tcttagtttc agatgatgca gatgggtttg tttctacctc atgcactcct ctaatgacta 60
tggcatcatt tctggcgcta aactgctggg agttggaagc catcttctca attaaatttc 120
tggcttcagc aagagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
tctccatatt acagagtcct tcataaaaat attggagaag aagctattct gaaatctgat 240
gggtgggggca actggcacat agtctcttaa atctctccca gtactcatac aagctctctt 300
cactaagttg tctaatacct g 321

<210> 8217

<211> 361

<212> DNA

<213> Glycine max

<400> 8217

agcttgcata gatgttttca tttgtttggc accttccatc ttgaacttct ttagaagttc 60
tttagtatat tttggttggt gattatatac acctatgttg tcttacttga tctaaaaccc 120
cataaagaac ttaagttctc ctatcatgct catttcaaac tcacttttca ttagttaaga 180
gaaatccttg ctcatagatt cattagtagc tccaaagata atatcatcta cacaaatttg 240
aactatgatg aaattctttc caacttctct cttaaaaaga gttatattca tgagggtgcct 300
attcagacca tacataacct ttttcagttt aaaaacatgg tctagaaggg tgtgtcttca 360
a 361

<210> 8218

<211> 355

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8218

tgccttgccc cttagatat ttgagggact catggtcact atgaatgaca aattccttgg 60
gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120
aagttgaata gttaagggta agaccactta acttttctact aaaataagca attggatggc 180
cttcttgcat caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240

atTTTTgaaa gtttggcaac gcaagtatgg gggcattagt tagcttttgc ttaagaacat 300
 tganagcttc ttcttgtttc tctccccatt tgaaaccaac atTTTTcttg agcac 355

<210> 8219
 <211> 270
 <212> DNA
 <213> Glycine max
 <400> 8219

agctttatgc aagtcaattt tatgtggcat ctcagagagg atctttttcg ggcataattg 60
 cgcaaaatct cttgaactag gaagatgctg tccatcatct ttctgttctt aatgaaagca 120
 gtttgagttt cccaataat agtctcaagc aactggggct atgcggttgg ccagaatttt 180
 agacacaatc ttgtataaca aattacaaca agatatgggt ctaaaatggt taacctagga 240
 ggtctgatca tgcttaagaa taagcgccat 270

<210> 8220
 <211> 263
 <212> DNA
 <213> Glycine max
 <400> 8220

agtatggaga tacttgactc atatagggct ccaatatgaa tttctgactg caagatgaaa 60
 atgggatgtt ataatttgca ccttttcatt taatcatttt actttttgca gattatcgca 120
 gagagcttat ctgaagaaga aatagctggc ttaaaagaaa tgttcaagat gatagatgca 180
 gacaacagtg gtcaaatcac tttagaagaa ctttaaactg tgttgaaaag agtggctgct 240
 tatcttaagg agtctgaaat ttt 263

<210> 8221
 <211> 224
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8221

cctgcatgca tgcaagctta tgtccgcaga gggatacttc ntatagaagc agctgaatca 60
 ttttcttcct acaactcgtc aaaacttgat gtttttaagc aacatttcct gttactggaa 120

aagatttcaa ggataggtat cttcgaaaac cttatgtatt cgtggaagag agacagaaag 180
tccactgtct aaatactctt ttttctaacg gttgcctttt cttt 224

<210> 8222
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8222

agcttctcta tatgngangc ttattttcgg ncatccgaga naaaanggag gaccatttga 60
ttttctcaag cggtttcttt tctcaatttc gagcgtctcg atatattatg cacctgaatc 120
tgacctccga gagaaaagtt atgaccattc gaattgctca agagcttcca ttgttcaatt 180
tcgagcgtgg cgatatatta tgcgcctgaa tcggacctcc gagttaaag ttatgacctt 240
cgaatttctc gatagcttcc ggttttaaat ttcgatcgtc tcgacatatt atgcgcccga 300
atcggccatc cgtgagaaaa ggtatgacca tttgaatttc tcgaggctc tcggtattca 360
atttcg 366

<210> 8223
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8223

agcttgtaac aaatctttac acttggtttg atacatgcag nccttctgga cccttaccg 60
ccacttcggc gtcatgggga gactcaagaa gcccaacagg tttaaccttt tgaatgtagt 120
ctgaacaaaa ttcaatggct tattctgcaa tgtacctttc aacaatagat gcttccggac 180
gatgtaaatt ctttgtatac ccttttaaga tcttcatgta tcgctcaacc gggtagatcc 240
accacaaata aacaggacca caacatttga tttctctgac cagatgaaca attaagtga 300
tcatgatgtc aaagaaagca ggaggaaaat acatctccaa atggcatagt ataattgcgg 360
cctcatttt 369

<210> 8224
<211> 218
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8224

tccggcgcaa aaggnatgac catatgaatt tctccaccgg attccggggg acaaggatatg 60
accatttgaa tttctcggtg gcaaccggtg ttcaaaatcc agcggctcga caaaatatgc 120
gcccgaagcg gaccaccggg ggacaaggta tgaccatttg aagttgtcga gagcatccgg 180
ccgtagattt cgagccgctc gatatatattat gcgccccg 218

<210> 8225

<211> 266

<212> DNA

<213> Glycine max

<400> 8225

agcttcccg c caatggtatt ttaagtttat atgataccat tgtttccttt ggatttaagg 60
aaaatactgt tgatcagtgc atatatccga agattagtgg gagtaagggtt atttttctaa 120
tcctgtatgt ttatgatata ttgctgcaat taatgatctt ggtcttctcc atgagactaa 180
gaaatttctc tctagcaact ttgaggtgaa agatatggga gaggtaagct atgcgatagg 240
gatagaaata ttctgtaata gatcac 266

<210> 8226

<211> 320

<212> DNA

<213> Glycine max

<400> 8226

agcttataat atattgatat ttctaattatt aaacattgga agctctcgag aaattcaaatt 60
ggtcataact tttcacacgg atgtccgatt cgggcaaata acatatcgag acgctcataa 120
ctaaacaacg gaagctatag agaaattcta atgggtcaaaa cttttcacac ggatggccga 180
ttcaagcgaa ttacatatcg agaggctcaa aattgaacaa cagaagcttt cgagaaattc 240
aaatgggtcat aacattttaac tcgaatgtcc aatttaggcg cattacatat agtgacactc 300
gaaattgaca acggaagctc 320

<210> 8227

<211> 370

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8227

agcttgaagg caaactggat tttttgttaa cttnngaacc aagctggcct tgaatcagaa 60
atgtgtacct gtcgcaagggt tttgggggttt gtgcttctct gctgaccacc atacagacct 120
ttgcccttcc atgcagcaac ctggagcaat tgagcagcct gaagcttatg ctgcaaatat 180
ttacaataga cctcctcaac ctcagcagca aaatcaacca caacaaaaca attatgacct 240
ctccagcaac agatacaacc ctggatggag gaatcacctt aatctcagat ggtccagccc 300
tcagcaacaa caacagcagc ctactccttc cttccaaaat gttgttggcc caagcagacc 360
atacattcct 370

<210> 8228
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8228

acgccgggat cttaagcacc tgcagcatgc aagcttgagc aaatcaacta gtaactttat 60
atnccgatgg gcgaaagagn cccggaatat atcgagaggc tccaaattga aaacggaagc 120
tcatatcaaa ttcaaaggac aataactttt tactcggatg tccaatagag tcccgttaata 180
tatcgaaaca ctccaaattg aaaatggaag ctcgatatcaa attcaaacga caataacttt 240
ttactcagat ctccaataga gtcccgtaat atatcacgac gtcctcaaatt gaaattggaa 300
gtcgtatca aattcaaacg acatttactt ttaacttgga tgtcccgatg agaccgtaa 360
tatatcgcca cgctccaaat tgaaagcaga agctctaa 398

<210> 8229
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8229

agcttcacat aggcaagn gn tnncttctta attccaaatc atagatatgt cataaattga 60

ttttgcaggt catttcccat caaatcaagg ataatatgca taatcatcat ggatcaataa 120
 gactttctaa agtcagactt cgtaggaaat tggttttggt tgctctggcc tttcccctct 180
 ctcttaccct ttgttttgtg aagaatagga gagtacaccc aaagatttgg ttagtaactt 240
 aaatgggcga tcacttccta tcccttcatg tcttaaccaa gttactatta cccccctcct 300
 ttttctcctt ttgacaactc tgtacatgga acacccttg 340

<210> 8230
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8230

agctagaagc gattcacatt attgtaatcg annaccagag cagaggngca gaaaatatta 60
 tcaanagcca catcttttta tgtgggtcctt gaatggctat caaaagccta tataaatgtg 120
 actcgagaca cgaatttgct aagagttcctt tagaacaaaa aggtcttctc ctcttaaaaa 180
 gtaaaatcat tttatcctct taciaaattcc ttggccaaat tacttgatgat tcaataagga 240
 attatttaaa ttctcaaatt gttcaatcta tctctttcaa gagagatttc ttcttttctt 300
 cttcttcatt ctgaaaaggg attaagagac cgatgggtctc ttattgtgaa agaattctaa 360
 acacaaa 367

<210> 8231
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8231

agcttgaatc cctctataag tacttatttg ggagcttgnt gagaaaccaa ctgatcaaaa 60
 gattgttggt tgcaagtgga aattcaagaa gaaagatggg gatttgaagt tgaagacaac 120
 ctttctccat ggtgggttgg aggaaagaat ttatatgcaa caatcagagg cgtttgatgt 180
 accaggaaaa taagaccatg tgcgtctata aaagaagtct ttgtatggct tgaagtatgc 240
 acctaggcaa tggataaac gatttgactt gtttacgatt gatattgggt attaagaagt 300
 gagtatgata gttgtgttta taataagaaa ttgcccgaag attcttatat ttacttgc 358

<210> 8232
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 8232

agcttcaaga ataatggcct tggcttactt cttattccca taaggaaatt caataaatag 60
 gcctcctatt tttaatggag aaggttacca ctactgggaa acccgaatgc aaatcttcat 120
 tgaggcaata gacttaaaca tttgggaagc cataaaagta ggaccttatg taccacccat 180
 ggtggctgga aatgcaacaa tagaaaaacc tagagaagag tggactaaag atgaaagaat 240
 attagtgcag tacaatttaa aggctaaaaa catcattact tctaccctag gaatggatga 300
 atactttagg gtttcacatt gtaagaatga taaggatatg tgggacactc tacaagttac 360
 acatg 365

<210> 8233
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8233

agcttggtat cgattacaca cattttatta tctattacca gaggagattt tcagaaaata 60
 ttgtcaacag tcacatcttt tcatttggnt cttgaatggc catcaaaggc ctatatatat 120
 gtgacttgag acacgaattt gctaagagtt ttcataacaa aaaaggctct atcttcttaa 180
 aaagcaaaat cgttttatcc tcttacaat tcttgtcca aaacacttgt gattcaataa 240
 ggaattattt gagtgcctaa attgttcaat ctatctcttt caagagatat ttcttcttct 300
 cttcttcttt attctgaaaa gggattaaga gactgagggt ctcttggtgt aaataaatct 360
 taacac 366

<210> 8234
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8234

tagcttgtga aatcaangga attcatgatt ccgnnngaca caagncgntc aattctattc	60
ttagaaatgt gacctaagcg tttgtgccat aatgctcctg agtttgtatt atcaattcta	120
cccttagtac cacgcaattc tgcattaaag gattcaccat aggagaatac agtatcaagt	180
aaatatagat tatcattaac caagagtga cgggttccaa caatatctga attaaaagac	240
aacctgaaca cattgtttcc aaatgaatac aaataaccca atttatccaa ataagaaact	300
gaaaccaaat ttcgtctaaa tgacggtaca ataaaagtg ctttcaaate caaataaaaa	360
ccagtactaa	370

<210> 8235
 <211> 373
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8235

agcttcaaga ataatggcct ttcttatctt ttatttccag aaagaaattc aatcaataga	60
cctccaatct ttaatggaga gggttaccac tactggaaaa cccgaatgca aatttttatt	120
gaggcaatag acttaaatat ttgggaagcc atagaaatag ggccttatat acccaccaca	180
gtagaaagaa ccacaataga tgggagcaca acaagtggaa gcacaacaat agaaaaacct	240
agagatagat ggtctaaaga ggatagaaga cgtgtacaat ataatttaaa agccaaaaac	300
ataattacat ctgccctgng aatggatgaa tatttcaggg tttcaaattg taagagtgtc	360
acggaaatgt ggg	373

<210> 8236
 <211> 358
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8236

agcttgaat tgattacact aagtctgtaa tcgattacca gagcagattt tcagaaaata	60
ttctcaacag tcacatcttt ttatgtggnt cttgaatggc tatcaaaggc ctatatatat	120
gtgacttgag acacgaattt gctaagagtt ttccagaaca aaaaggctctt atcctcttat	180
aaagcaaat cgttttatcc tcttaciaat tccttggcca aattacttgt gattcaataa	240

ggaattatatt gagtgctcaa attgttcaat ctatctcttt caagagagat ttcttctttt 300

cttcttcttc attctgaaaa gggattaaga gaccgagggt ctcttggtgt gaaagaat 358

<210> 8237

<211> 296

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8237

aggatttcct tttagtaggg aatctatcct tcctaagatg gcgccaaacc cagtcaccct 60

cgtaagaac tagctctttt ctctctctat tgccttagt ttaatacacc tttgtttggt 120

tctctatttg gctcttaacc ctcttatgca acttctttac aaactcttac ctagattccc 180

cttncttatg tataaaaaaa gttgtctatg ggaaaggaat taagtcttac cgtgggtggg 240

gattgtaccc atttacaacc tcaaaagggg agtggttggg ggatttttaa accccc 296

<210> 8238

<211> 372

<212> DNA

<213> Glycine max

<400> 8238

agcttactgg gcagtgaaga cttgcttctt ctctatggat caagctggtg aggaaagaaa 60

gttgcaactg agtgagttag atgaaatccg cctagaagcc tacgagaacg ccaagttcta 120

caaagaaaag accaagaagt tccatgatag catgatagtt aaaaaagact tcgtggttgg 180

gcaaaaagtg ttattgtata attctaggct tggactcatg agtggttaagt tgagggctaa 240

gtggattggt ccttttggtg ttactaatgt ttttccttat ggggacagt agatcaaaaag 300

cgactccaca aacaagagct tcaagggtcaa cagacatcga cttaagccat tcctcacgaa 360

cccttcttta gt 372

<210> 8239

<211> 258

<212> DNA

<213> Glycine max

<400> 8239

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ataggcgcgc cagcactgga tccccgcct ccttcgcgag ccgagccgtg ttcccgtgcg 120
ccacaaatgt tgctcgtctt tggaatgacg tgtacacaaa ccccaaatat gggttgttgt 180
ctgccaagg gtcctcccca atttagtcta accaaaatcc attattccaa ttccatttta 240
aaagaaaaaa atcttctt 258

<210> 8240
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8240

gcttcattgtc caaaagatat tatatttttag ggtctgaana ttccctgttt ttcttcgcac 60
ttacaatctc aagtaaaatc actccatagc taaagacatc tgatttcaca gagaattgcc 120
cactcacagc ataccagga ggcataaac cactgaagaa attttatagt aagataatca 180
aaagttgaaa gagtaatata aaaaaatcaa aattggatag aaactaacta agttccggcc 240
actgtatttg tgtttgctc aacttgatct cccaagaaag atcgagcaag gccaaagtct 300
gatatt 306

<210> 8241
<211> 253
<212> DNA
<213> Glycine max

<400> 8241

tgtgtggagg aacacgctac ataatgagag agccagacat gaacagccca tggttgatac 60
atggactgag atgaaaaaga tcatgacgaa gcggcatgtg ccggctagct actcaatgga 120
cttgaaattc aagctccaaa aactaaccba cagcaacaag ggggctgagg agtatttcaa 180
ggaaatggat gtgctcatga ttcaagctaa tattgaataa gatgaggagg tgactatggc 240
tcgagttctt aat 253

<210> 8242
<211> 329
<212> DNA
<213> Glycine max

<400> 8242

ttctccacta agttgcctga tgcctgaatt ttcttttctg atggtattgg tcctagatgc 60
agggtagaat ttctccaaga acaccatttt aagggtcatcc catctgacaa tggacctgtg 120
agcaatatta tatccaatct tgtgccactc cctccaaaga atgaggaaaa gcctttaaaa 180
agatatgatc ttcttggaca tgagggggct ttatgggtga acaaacaata tggaactcct 240
taagatgctt atgaggatct tcacctgcta aaccatgaaa ctggggcaac aaatgtttta 300
gttcagtctt gagaacatat ggaacaccc 329

<210> 8243

<211> 405

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8243

gcttcaacat tcaacttcga gcgtctctta tattatacga ctcaattaga catccgagta 60
taaagttatt gtcgggtgaa ttntctcaga acttcaacat tcaatttcga gcgtctcaat 120
atatgacggg actcaatcag acatccgagt aaaaagatat tgctgtctta attggctcag 180
agcttctaca ttcaatttcg agcgtctcga tatatgacgg gactcaatca cgcacccgag 240
taaaaagtta ttgtcgtttg agttgggtca gagcttcaac attcaatttc gagcgtctcg 300
atatatgacg ggactcaatc aggcacccga gtaaaaagtt attgtccgtt gaattggctg 360
agagcttcaa cattcaattt cgagcgtctc gatatatgac gggac 405

<210> 8244

<211> 229

<212> DNA

<213> Glycine max

<400> 8244

agcttaagct ccttcaactg cacaaggctc ttaatatttg aagagtatcc ttgcggaacc 60
ttcacccgat gaagacactg acaaaaactt atctttgctt tcttggacaa acgatggcag 120
gctgcgggca atgaaatctt tttcccatca aaccttggat gcaactgcga tcgtataccc 180
atatcagcta gatcttgatg ggtattcaag ccatccttcg tcttgcctt 229

<210> 8245
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 8245

acactctcga acactcaagc ttcgcaagcc agcttccatc aaatctcaac tcacttaata 60
 tcctatacaa aggggtccgta ggagtagaac cctcaccatt aacactagat gaagaacgaa 120
 gactcatgtt gggtcttaag ttgtgggttct ttcttggttg ggggttgaaa acaaaaggta 180
 aaagaaacta cgggttgaaac tagccaaaat aaacactaaa agagggtgtga aagataagggt 240
 aaaaactaat tggtaaaaag caagttatct aggtgggttg acaatggaag ataaaggaaa 300
 tttaaagcaa gctagatagt ttcctatgtg aaggcttaga tgac 344

<210> 8246
 <211> 234
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8246

tgtaaggtta aagtctcacg attgtcacgt tctgatgcaa caattgttag tctgggctat 60
 acgagacatc ttgccaaaca aagtcagggt agcgataact cgcctgtgct ttttcttcca 120
 tgctatatgt agcaaagtca ttgatcctgt caagtttgat gagtnggaaa atgaggccac 180
 aattttactg tgctagttgg agatgtatct tccccctgct tttttgacat catg 234

<210> 8247
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8247

gcttggtact tcaactagctt cttaccatct ttcttaagct tgaacaccca cttattcttc 60
 aaggcttttc tgccttcgga aactttcaca agcttataag tatcattctt ctggaaggaa 120
 tctatctttt cttacatcac tttccttcaa tagaatttat ccttatgaat ttcaactttt 180
 gcaaaaacttc ctggctttcc ttcattgatg atgaagatgt actccaaacc atggtacctt 240
 ctagatgact ggtgctctct atttgatctt ctgaacagca actggctttc ttgctcaaca 300

ccttcatcat caccatactt tatagctagc tcatcatcaa ccctaaagtc attatcaaga 360
tctaccnctt ctatggcaat tcttctag 388

<210> 8248
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8248

atacctctct aatagcttaa cttaccccat gacgaaaaac atgaaaattc caaaaaaaaaa 60
gtccttacta caaagactac tcaatagaat ggccaaaata caatgccag acgaaagaca 120
aacctattct aatatttaca aagataatcg ggctcact taacccatgg gcttgaaaac 180
taccctaagg ctcatgagaa cctcaggcc ttcccttgga tctctagccc aatctacttg 240
gagtcttcta cccaatgccc ttgcggggta tgatngcatc acaagtgaat tggtatgac 299

<210> 8249
<211> 304
<212> DNA
<213> Glycine max

<400> 8249

ggactagatg gggcctatgc aagttgaaag ccttggaaga aacatgtatg cctatgttgc 60
tgtggatgat ttctctagat ctacctgggt caactttatc agagaaaaat cagacacctt 120
tgaagtattc aaggagggtga gtctaagact tcaaagagaa aaagactgtg tcatcaagag 180
aatcatgagt gaccatggca gagaatttga aaacagcagg ttactgaat tctgcacatc 240
tgaaggcatc actcatgagt tctctgcagc attacaccac aacagaatgg catagttgag 300
agga 304

<210> 8250
<211> 335
<212> DNA
<213> Glycine max.

<400> 8250

agaagatcaa cgacaatgcc tacaagattg acttgcctag tgagtataat gtaagtgcc 60

ctttcaatgt gtctgatcta tctctttttg atgcagatgg aggagccttg gatttgagga 120
 caaatccttt tcaagaagga gggagtgatg atgacataac caagggcaag gaccatgaag 180
 cacttgaagg tcccatgacc agaggcagac ttaaacaagc ccaacacgtc atagagacaa 240
 ggctgggtcat ttgtatagct gccattgatg atgattgaag gcccaagtgg agaaagatga 300
 aggcccagag gcagaggcac taccaagact actaa 335

<210> 8251
 <211> 329
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8251

agcttgaatc ggacatccgt gtgttaagtt atgaccatnc gaatttctca agagcttccg 60
 tagttcaatt tcgagcttct cgacatatta tgcgcccga tgggacatcc gtgtgaaaag 120
 ttatgaccat ttgaatatct cgagagcctt cgatgtttta tttccagctg atcgatatat 180
 tataagcctg aattgcacat ccgtgtgaaa aggtatgacc atttgaattt gcgagagggt 240
 ccgatgttta atttcgagcg tatcgatata ttatacgctt gaatcggaca tccgtgtgaa 300
 aagctatgac caattgaatt tctcaagag 329

<210> 8252
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 8252

agcttaagct ccttcaactg catattgttc ttaatatttt atgagtatcc ccgtggaacc 60
 ttcacccgac aaagacactg acaaaaaactt atcttttctt ttttggacaa agtatgacaa 120
 gctgggggca agtaaatttt cttcccatca gaccttggat gcaactgtga tcatatccct 180
 atctcagcta gatcttgacg ggtattcaag ccatcattcg tcttgcttg aatgtaaagg 240
 agcgtcccaa tcacactgtc acatacattt ttctccacat gcataacatc aatacaatgt 300
 ctaacgtcta gatcagacca cgacacaaga acaaagaaaa tggacctctt tttcatatgc 360
 aagcttactt tatecttctt tg 382

<210> 8253
 <211> 194
 <212> DNA
 <213> Glycine max

<400> 8253

ttctcgagag ctgactatgt gtaatttggg gcgtctcgat atattatacg cctgaatcga 60
 acctcagtgt aagaagttat gaccatttga atttctccag agcgtgcgtt ggtcatattc 120
 gagcgtctct atatgtgatg cacctggatc ggacctgcgc gtgaaaagat atgaccattt 180
 gaatatctcg agag 194

<210> 8254
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 8254

agcttattat aaaaagaaag ttatgttagg gaagacaagg aagataaaag cactacttga 60
 accattgtgt cattaaatac gacacttctt gaggatgttt ctgatagaat ctttctcttg 120
 aaagtttcat ctttggtgaa ggcataaatg gcaagagggt ttggctttgc attgataaac 180
 tcaatacttt cctgaatttt atccaactgc acagattgca agtgcaacaa gagttgaatg 240
 agacaatgca caatatatgt gagaattgaa aacataaaat gggactgttg attctcactg 300
 tgattatagg aagcagtggg ccgaatatct cttctgccat tatctcagaa tctagtggag 360
 gatctaacaa aatt 374

<210> 8255
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8255

agctttttgca ctgtgaaaaa taatttatct acttaaaact ttgacaacaa aaacaaatca 60
 taattagaca gaaagaaatg ggaaaaaaat atataaaaat ggaaccttta ataattaaat 120
 gttaatgtta attaattgac aatgattacg acaaaaataa atacaaaatt taagctgatt 180
 tgaataatat ggtaaaattg atagtgtaat atttgaaaaa aaaccctttc cattaatagg 240

tacttgccaa ttaatatattg cccattatat ttttccaata aaaaataata aactctccaa 300
 tctttctttt ctcactttaa tccacngta anttcattaa ttattatttt attttgc tca 360
 atgcttacac cttcctcaca tgc 383

<210> 8256
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 8256

agctattacc tcagtgtgtt ccagctccag tgggtccgac gttaccacca gtgactcgac 60
 ggccaacaaa aacctgtcca aagccacctt tgcccagttt cctctctact ttgtagacag 120
 gtgatcctcc tacttgaacc ttttattaac atatcaacaa taagcacctt gacaatatca 180
 acaaaagaat tgagtaataa ttaaaagaaa agaataccct ctccggaaaa ggagctgcgt 240
 tgggtgtcatc ttcttgagca acgcccttgt ttgcactcaa gccaccactc tcgtcggcca 300
 tggcggcagc gtcgtctttc ttagtgtgat cggatattat tataagggga ttc 353

<210> 8257
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8257

agcttttttag ggcattgctat gttctacagg tggtttataa aagacttctc aaagatttcc 60
 aaaccattca acaatttgct caacaaggac gcggtatttt tattcgatga agagtgtttg 120
 aaggcattca acaccttaaa gaccagttta gtgtccgctg ccgtaattat agagccagat 180
 tgaggtcgag aatttgagtt gatgtgtgat gcaagtgatt atgctatggg tgctgtattg 240
 ggccaaagga aaagcagagt cttccatgct atttactatg ccaacaaagt tntaaatgat 300
 gctcagatta attatgctac cacagagaag gaaatgcttg cgattgtcta tttactagaa 360
 aaa 363

<210> 8258
 <211> 237
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 8258

tatgaggtca tttcttcatt cagctntgaa gagaatgtca tagatcactg tatataccac 60
aaggtcagtg ggagtaagaa tttgttcctt gtattatgcg tagatgatat tctgcttggtg 120
actaatgata aaggtatgct atatgaggtg aaacaatttc tctcaaagaa ctttgatata 180
aaggatatgg gagaggcatc atatgtcata cgcataaaga tccatagaga aagatct 237

<210> 8259
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8259

agctttcaag atattctttg gccataactc ttctcacgga tgtctgattt tgggacataa 60
tatatcgaga agctcaaaat tgaacaacgg aaactctcga gaaattcaaa tggatcatgac 120
tttttattcg gaagtccgat tcagggacat aactcatcta gacgctcaaa attaaccaac 180
aaaagctctc gagaaattcc aatgggttacc actttntact cgattcgggg acataatata 240
tcgagacgct tcgaaatgaa caacagaatc tctctaaaaa ttcctatggt cataactttt 300
cacacggatg tctgatttgt ggacataata tatcgagac 339

<210> 8260
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8260

ctttgactcg gatgtccgat tgagtcattt ttataattga gacgctcaac attgaatgca 60
ggagctctta ccaaattcaa atgccaataa cttnttactc ggatgtccga tngagtcccg 120
taatatatct agatgctcaa aattgataac agaagctctg agcaaattca aacgaacata 180
gctnttgact ctgatatcct gatgagtcac ttaataattc gagacgctca aaattgaata 240
cagaagctct tagcanattc aaatgacaat aactttngac tcgaatgggc cgatgagtc 300
tgttataatt tgagacgctt caaattgaat gcagaagctc taagcaattc aactacaata 360

<210> 8261
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 8261

agcttgaagg tgtgtattcc gctatTTTTc ataatagaac actggtaatg tgtctattat 60
 cattcttattc atttctttct ctgtcattga gggaaccact tgagctgccca ggtctctcca 120
 cctttgggagc tattctttga aagatttgtg cccctTTTTg cacatgttct gtagttgcat 180
 cctatccgga gccatatcaa aattgtactg atactgccta acgaaggcaa ccattaggct 240
 cttccaagaa tgaactcggg aaggttccaa gttagcatac caggtaatag ctaccccaat 300
 gagactttct tggaagacat gtatcagcag ttccttatct tttgcgtatg ccccatctt 360
 ccgacaatac atcttta 377

<210> 8262
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8262

acctctctct ctaaataacc attaagaaag actggtttca catccatttg ttgcaactca 60
 aggtcaaaat aagcaactaa tgccaagata atacaaagag aatctttcat agatacagga 120
 gaaaaagtct ntgtgtagtc gattccttct ttntgagtaa atccctttgc aacgagtctt 180
 gcttggatc tctcaatgtt ggctaattga atccctttgg tcttaaaaac ccatttacag 240
 ccaagggcct tngccctatt atgaaactcg acaggggtcc aaactccgta ctctgcatgg 300
 gacttca 307

<210> 8263
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 8263

agctttgatg caacatttgg agatgtttat gaaacaacga gatgatgagc tccatgagag 60

gttggatcaa atggagaata gagatcataa tgaaaaagaa aggaggagaa gagggaaatga 120
 tgggtgttcct aaaaaaaatc gaattgatgg tattaaactc aacattcctc ccttttaaagg 180
 aaagaatgat ccagaggcct acttggagtg ggagatgaaa atagagcatg ttttctcatg 240
 caacaactat gaggaggacc aaaatgtgaa gcttgccacc acggagtttt tcgactatgc 300
 tcttgtgtgg tggaacaagc tacaaaaaga gagagcatga aatgaagagc caatgggtga 360
 tacatgggcg gagatgaa 378

<210> 8264
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8264

actcggatga actgatgagt ctcgtcatat atcgagacgc tcgannatga atgttgatgc 60
 tctgagcaaa ttcaaacgac aataactatt tactcggatg tntgattgag tcccgttaata 120
 tatcgagacg ctcgaaattg aatgttgatg ctctgagcaa attcaaacga caataactnt 180
 ntactcggat gtctgattga gtcccgtcac atatcgagat gctcgaaatt gaatgttgaa 240
 gctctcagcc acttcaaacg acaacaacat tttactcgga tgtctgattg agtcccgtaa 300
 catatcgaga cgctcgaaat tgaatgttga agctctcagc caattcangc gacaatacac 360
 ttttactcgg atgcctgatt gagtcccgtc atatat 396

<210> 8265
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 8265

agcttagtaa agctaggcac taactatctc cctctttggc aaattttgtc taaaacatac 60
 ttagacactt cctgagcagg tacgagcagt tatgcaagtg ggatcagcaa ctttcattat 120
 cagagtaatc aagcacagcg gaaattctgc aagttgcaag tcgtttccag gatgtcaaga 180
 catctcacat gacatcagct ttctgcttct gctccccctg tctccatgct cttactgcag 240
 catcttctat cagctactag tcttttccag gatgtcaaga catctcatgt gacatcagct 300

ttcccttgtc tccatgctct tactgcagca tcttctatca gctactagta gcttacatca 360
gtcatcatca gcagcagcag tct 383

<210> 8266
<211> 289
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8266

ccgctccagt gctagtnttg cctaaccgga gagaaccctt tgagggtgat tgtgatgcat 60
canagatggt tntaggagga gtgttgatgc anaatggcca agtagtggcc aatgcttcta 120
gacaactcaa gactcatgag aggaactatc ccaccaatga tttggagtag gttggtgtag 180
tttttgcctt taagatgtgg agacagtacc tgtttggtc caagtttgag gtgttttagtg 240
atcataagag ccttaagtac ttgttttagtc agaaagagct gaacatgca 289

<210> 8267
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8267

agcttggttc ttgcaattcc aagactctag agagcttctt aataggtggc atgtcccact 60
tgtgcttttt ctatctaatt tgcactctgc aaaatcaaaa tctaaaaagc ctgttaaatt 120
taaggaggta cctttgggat acctcaaacc cacattgggt gtgcccttaa aataacttaat 180
gatcatatta acgaanatta agtgagattc cttaggaatg gactgacatc ttgcacataa 240
gcaaacactt aacatgatat ctagtctact tgtagtcagg tagagaagtg atccaatcat 300
agctctacat cttgattcat caacaaattt acctt 335

<210> 8268
<211> 281
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8268

ctactctcta acactagcta accaactaac tgtgttttagt taacataact agctagtggg 60

taagtacaat ctgtatatgc taagaatccc cctcaagttg aggaatgaat gtcaatcatt 120
cccagcttgg aatgaagaan atggaatgca cctggagaaa aagcttttgg gatgatgtct 180
gttaatgggt tggcagaaga aatangaagc aacttgataa gaccagagag taacttttcg 240
cagacaatat gacaatcaat ctcaatatat tttattcttt c 281

<210> 8269
<211> 253
<212> DNA
<213> Glycine max

<400> 8269

cacgagagct tccgttggtc attttcgaac gtctctatat gtgatgcgcc ttaatctaac 60
atccgtgtga aaagatatga ccatctgaat ttctcaagag cttacgtagg tcaattatga 120
gcctctcgac atattatgcg cccgaatcgg acatccgttt aataagttga gaccatttgt 180
atgtgtcgaa agctatcttg ggtcaattcc gagcgtctcg acatattatt tgcccgaatc 240
tgaccttcgt gtg 253

<210> 8270
<211> 362
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8270

accttctctt ccattggtnn gttcttcatt tttctccatg tatcttctca catgtcttgt 60
gataaatgta tntaacatgg ttcttttagag tttccaccga ttaaaccatcc gagtaaaaag 120
ttattgtcgt tntgaattgc tcagagcttc tattntcaat tntgagcttt tcgatataatt 180
acgggactga atcagacatc cgtgtaaaat gttattgtcg tttcaatttc ataggagcct 240
tctatttaaa tttcgagcgt ctcgatatat tacagtactt aatcggacaa ccaagtataa 300
agttattgtn cgtttgaatt gatacgagct ttcggtttca atntggagcg tctcgatata 360
tt 362

<210> 8271
<211> 374
<212> DNA

<213> Glycine max

<400> 8271

agcttctaaa ctttatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
gatatcttaa gaaggggggg ttgaattaag atattccaaa ctacttacc aattaaaaat 120
ctatttcact ttttattcaa gttataaaat cccttaacaa tgaacttctt aaatattaat 180
tcaaataaaa aaattttgaa tatgaatata aagcaataat aaacaaagga gtttaagaga 240
agagaaagtg caaactcaga tttatactgg ttcggccaca cccttaatga attgagcact 300
caaataattc cttaatgaat tgcaattgaa ttggccaagg aattcttaag aggataaaat 360
gattttgctc ttg 374

<210> 8272

<211> 243

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8272

gtcttctctt cttagagttg tgattaaaga gaatataaag agctgggaag aatgtatgtc 60
tcatgttgag nttgcataca atannggtgt acataacact acataacact ctccatttga 120
agtagtgtat ggttttaatc ccttgactcc tctntatttg ttaccattgc ctaacatttc 180
taattntaag cataaggatg cacaggctaa agtngagtat gtgaaaaggt tgcatagaaca 240
agt 243

<210> 8273

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8273

ctcggacact ccatngacta gtctatcgat gttgggcata aggtatgcat ctttggggca 60
cgccctattc agaccagtat aattgattca cannttgcca ttttcattna gccttttgac 120
catgacgaca ttggcgagct aggtagaata tctggcttct ctgatgaagt tggcattgag 180
gagctngtcc acctcttctc taaccgattt gtatcattct tctccatct tctcttata 240

tggtgatacc agtttggcct ggggacagat gatgagctng tggcagataa tgggtggggtg 300
gattccctac atgtcagaag gctatcaagc aaacaggtcc gtgttcctgt gtaggacatc 360
aactatgtgt ctgtgcttat ggggtgggtgag gtcctactg 400

<210> 8274
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8274

aaaacgttgt ttttacttca aaacccttg aactacttca cattgactta tttggtcctt 60
cgaaaactat ggggttttggg ggtaattact atgtcctagt tataatagat gattactcaa 120
ggttcacatg gactttatgt ttgaaaacca aaagtgaagc ttttgatgct tttcgcaaac 180
ttgccaaggt gattcaaaat gaaaaagggtc tcaacattgt ttcacttata agtgatcatg 240
gaggtgaatn tcaaaatgag tatttgaaaa cttttgtgaa aaaaatgaaa ttcaccataa 300

<210> 8275
<211> 323
<212> DNA
<213> Glycine max

<400> 8275

agcttgaagg caaactggat gcattgggta acttggtaac ccagctggcc ttgaaccaga 60
aatttgtacc tgttgcaagg gtctgtggtt tgtgctctc tactgaccac catacagacc 120
tttgcccttc catgcagcaa cttgaagcaa ttgagcaacc cgaagcttat gctgcaaata 180
tttacaatag acctcctcaa cctcagcaga aaaatcaacc acaacagaac aattatgacc 240
tctccagcaa cagatacaac cctggatgga ggaatcacc taatctcaga tgggtccagcc 300
ctcagcaaca acaacaacag cct 323

<210> 8276
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8276

agcttgtaat cgattacaca tatactgtaa tttattacca gaggagtttt tcagaaacca 60
 ttctcaacag tcacatcttt ctgtgtgggt cttgaatggc tatcataagc ctatatatat 120
 gtgacttgag acacgaattt gctaagagtt tttcaaaaca aaatgggtctt atcctcttaa 180
 aaagcaaadc gttttatcct cttacaaatt ccttggccaa attacttggtg attcaataaa 240
 gaattatttg agtgcacaaa tngttcaatc tatctctttc aagagagaat tcttcttttc 300
 ttcttcttca ttctgaaaag ggattaagag accgagggtc tctttgtgtg aaagaattct 360
 aaaca 365

<210> 8277
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 8277
 agcttgtaat ttattacaca aggcttgtaa tcaattatca gaagttttaa acgttttata 60
 atagccttca gaaatttgaa tttaaatttt aaagcctgta atcgattaca acttgtgtat 120
 aatcgattac cagaaatgaa aattcaaatt tcaattctga agagtcacaa ctcttcagaa 180
 tctaactgtg taatcgatta caacagttat gtaattgatt accagtaagg aattttcgaa 240
 aataactccc aagagtcaca actgttcaac aagtttttga atgaccatca aaggcctata 300
 gataggtgac ttgggttaca aaattcctta gagtttttct gaacaaattg tcttatcctc 360
 tcaatac 367

<210> 8278
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 8278
 tgtgcatata gagctacaga tgtcttgcaa ttgatacata cagacatttg tgggccattt 60
 catacacctt catggaatgg tcaacaatat tttatatcat tcatagacga ttactccaga 120
 tatacatact tgtttcttat acatgaaaat tcacaatctc tagatgtgtt caaaacattt 180
 aaagttgaag ttgaaaatca actcaacaaa agaatacaaga gtgtcaaadc tgacagtggg 240
 ggtgaatact atggtagata cgacgggttca ggtgaacaac g 281

<210> 8279
 <211> 182
 <212> DNA
 <213> Glycine max

<400> 8279

agcttgccat tgaacaagtt cgagattcta ttttatcacc gagccgtgca ctcgcattgg 60
 taccaccttg agaggtttgg gtttggtgtg ttaaaagggtg acaagagaaa tgagtcaaaa 120
 ttctcaagtt ggattcacct aagggtgtgt cttgaagggtg cttatcatgt cctggatgag 180
 tc 182

<210> 8280
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8280

tccgtatgag tagaacctc accattaaca ctagatgaag aacgaagact catgttggtt 60
 cttaaagtgt ggttctttct ttgttggggt tngaaaacaa aaggtaaaag aaactacggt 120
 tgaaactagc caaaataaac actaaaagag gtgtgaaaga taatgtaaaa actaattggt 180
 aaaaagcaag ttatctangt ggttngacaa tggaagataa agganattta aagcaagcta 240
 gatagtttcc tatgtgaagg cttagatgaa cccttgagg tcccaactgg ctcttcgctt 300
 agtctacacn ggttacacta agctattaca cacaaataga gggttgggtg gtctcttgga 360
 gactctcaat acacnctga agaattgcaa atac 394

<210> 8281
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8281

tggaagctcc taatatctcc cacactntgt ggggtgngcc attcttggat ggtcttgatt 60
 ntctcagggt ccacttggac cccatttcta ccaactaana atcctaggan aactatatta 120
 tctacacaaa aagttcactt ctctatattt gcatagacca acaacactgg gataacacat 180

gggcttaggc tctcttagac ccagcccttc tccaaacaat cttaacctga gtctctatct 240
 ccttagtctc ctgagagggg tagtctata ggctatccta ttaggaaggc ttactcctgg 300
 gaactaaatc tattggtggt ctattctcct taa 333

<210> 8282
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 8282

gcttgaaatt gagcaacaaa agctctcgag atatcttata tggtcataac ttttaactcg 60
 gaggtccgat tcaggcgcac cacatataga gacgctcgaa attgaacaac ataagctctc 120
 gacatattca tatagttata acttttaact cggaggtccg attcaggcac atcatatgtc 180
 gagacactcg aaattgaaca atggaagctc ttgagcaatt caaatgggtct taacttttca 240
 ctcagaggtc cgattcaggc gtataatata tcgagacgct tggaattgtg caacggaagc 300
 tctcgtgaat ttcaaaggt cataactttt cacttggagg tccgattcaa gcgcatcaca 360
 tatagagacg ctcgaaattg aacaacgtaa gctctc 396

<210> 8283
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 8283

agctttaact taatcaatgc aatttccttt tgtgcttggt cattccaccc aaacgcaccc 60
 ttcttcaaac attcggatcat aggacttgct atagtgctaa aattctggat aaagcgctga 120
 taaaatgatg caagaccaag gaaagatctc acctccgaaa ctggtgtagg gctcggccaa 180
 gtcttgatag catccacttt tgtttgatca acggatactc catctttaga caccacatat 240
 ccaagaaaca ccacactttc aaccaagaaa tcacactttt ccctcttccc atagagattt 300
 tgtgctctta gggctcctaa tatttgcttc aaatgagtga aatgctcctc tatagatttg 360
 ctata 365

<210> 8284
 <211> 400
 <212> DNA

<213> Glycine max

<400> 8284

tcttatccaa gggtcatctt ggtggtgaag ctctcttctt tcatggctta ttccttagtg 60
gatggtgcct cctctcacct cttttccttt ttcttccgct gcatcccat ggtggaaaat 120
caccattaaa ggacctcatt gaagctcaaa gatccagcct ccatagaagc cccacaagca 180
agcttccatc agaatgttcg aatgcggccc ataataaatt gaaacactca aaattgaaca 240
cgaatgctcc aagaaaattc aaatggccat gacttctaac ttcgtatccg attgcaaccc 300
ataatatatt tagacgtca aaattgaaca tgaaaggttc gagcaaattc aaatgaccat 360
aactcttact ttcgtatccg attgcagact attaaatc 400

<210> 8285

<211> 398

<212> DNA

<213> Glycine max

<400> 8285

tgtcaccgtt cgcaaccctt ttgggtttat gcctttggtt atgggaaaga gaagcaacgg 60
tggtattggt ttcgttcta aaacttgctt aacctaattg aagcgattta tgagaggag 120
gtggttggtc cgctgagaa tttctacgac gacgtcgaag ctgcgaagta cacctctttt 180
tctcatattg ttcaaattca ggtttttccc tttttattct tctattccc tattcaattt 240
tctttcggtg tgaaattcat tcattcatta atttctctat gccaaataag tggcactatc 300
aaagagagct ctogaactac ttgctttgcc tgatgaccac gttcctaaat tactccttga 360
tatcagtaat tttaatttaa ttcaatttaa ttaatatc 398

<210> 8286

<211> 394

<212> DNA

<213> Glycine max

<400> 8286

tctagataaa gtaactcgtc ttctctctat tttttgtttg agggcacacg taacacaagc 60
tgaacttcat tgtcagttcc atgcactgtg ggctggggtg attgaggagg ttcgagttca 120
aagggataaa tgttttggat ttgtcagata caacactcat gacgaagctg cactggccat 180

tcacatggct aatggaagac ttgttcgtgg gaagaatatg aaggtgagaa ttctttcact 240
 tgatgcttat ctggtcaact aattaattgc tattctttgt tgaggctgat ggttgcccca 300
 tataataatg cctattgcct agtaaggatg gtgatctctc ttttttttct tcttgccaat 360
 ggctgatcac gttactcgca tgtagagact catg 394

<210> 8287
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 8287

tagctacaca cccctataa tagctaactt tattccctcg aaaaaaaca tgaaaataca 60
 aaaaaaagtc cttactacaa agactactca aaatgccccg aaatacaagg ctaaaaccct 120
 atactactag aatggccaaa atacaaggcc cagacgaagg aaatacctat tcaaataattt 180
 acaaagataa gcgggctcat acttagccca tgggctcgaa atctacccta aggctcatga 240
 gaaccctagg gccttccctt ggatctctag cccaatctac ttggagtgtt ctaccaatg 300
 cccttgcggg gtaggattgc atcacatagc atgcccggtg gcgtgcgttc caaacgagtc 360
 ctcatggact tcctcgatca tgtgggtccgc tcatgaa 397

<210> 8288
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 8288

tctatagaag gtctgttctt aattttctta caatttcac acctctcaat gagctggtga 60
 agaagaatgt ggcatttacc tggggtgaaa aacaagagca agcctttgct ttgctcaaag 120
 aaaagcttac taaggcacct gttctagctc ttctgactt ttctaaaact tttgagctag 180
 aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaagggtggg caccctattg 240
 cttatttttag tgaaaaactt catagtcca ccctcaacta cccacctat gataaagagc 300
 tttatgcctt aataagagcc ctccaaactt gggaacatta ccttgtttcc aaggaatttg 360
 tcattcatag tgatcatcaa tcaacttaagt acatta 396

<210> 8289

<211> 362
 <212> DNA
 <213> Glycine max

<400> 8289

agcttccatt ttcaatttgg agcctctcga tatattacgg gactctattg gacatccgag 60
 aaaaaagtta ttgtcgtttg aatttgggtc gagcttccgt tttcaatttg gagcatctcg 120
 atatattacg agactcaatc ggatatccga gttaaaagtt aatctcgtct gaatttgata 180
 cgagcttcca tttttaattt ggagcctctt gatataattac gggactctat tggacatccg 240
 tgtaaaaagt tattgtcgtt tgaatctgat acgagctttc gttttcaatt tggagcatct 300
 cgatatatta cgggactcaa tcggatatcc gagttaaaag taaaatctcg tctgaatttg 360
 at 362

<210> 8290
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 8290

actcttataa tactcacgct ctaaccgcct gagatctttg ccttaacaca ttggatgggt 60
 catcctttgt ggtataagta gagggtagat ctacttgggt ttgactgaga acaagagagg 120
 gtacatctct tttggatcag ttctagtggg gggtagatcc actagggttt cgaagagaac 180
 aaggaggagg acatcccttg tggatctttg cttgtaaaag gatttttaca aggttgaaaag 240
 aaatctcaag gaccgcaggt ctcttgggga ttggatgtaa gcatgggttg ttgccgaacc 300
 agtataaaaa ctcttggtgtg tttgtctcct tcttccctac tcttttaatt tttgctgtgc 360
 atttaatttc cgcttttact ttctgttaag tttctcttat actccttatt ctcttaacaa 420
 ctt 423

<210> 8291
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 8291

agcttttgag gaatttttca acttctttgt ccataaattg tgttttgtag tccgagatca 60

aagtattagg aattccaaat tggcataaaa tgttcttcaa aatgaacttt cgaacattgg	120
ttgtcgagat ggtggcgatg ggctcggctt ctatccactt ggtgaagtga tcaatgccca	180
ctaggaggta ttttacttgt ccctttgcta ggggaaaagg tttgagtatg tctactcacc	240
aaatggcaag gggctttggt gttactatgt tgtgtagctc tttgatagac atggaagaga	300
tgttgttgaa tttttgggat tcttcccatt tcttcacatt ctatataatc ttttctca	358

agcttaataa atctatatat ggttttaa	aac aaacctttcg tcagtggtac cttaagtttc	60
atgggataat ttcttcattt ggttttgatg	aaaaccccat ggatgaatgc atataccaca	120
aggtcagtg gggtaaaata ttctttcttg	ttatatatgt agatgatatt ttacttgcag	180
ccaatgatcg gggtttgcta catgagggtga	aacaatttct ctctaagaat tttgacatga	240
aagatatggg taatgcatct tatgtcatca	acattaagat tcatagagat agacctcaag	300
gtattttgag tctatcacag gaaacctata	ttaacaaaat tctagagaga tttcggatga	360
aaagt		365

gctattggga	ttgagaaaagc	tttaatggat	tgtttatttg	atagtgcacc	gataccggta	60
actggttaat	aggatcttga	gaggattgag	ggcatcaata	ttgtatttgg	aaagacccta	120
aagaaggaaa	aaagtaaaac	ttccatatgg	aagaagaggt	ttatatgtgt	tggtcttcca	180
tactggtcaa	atttagatgt	caaacattgt	attgatgtta	tgcattgtga	gaaaaatgtt	240
tgtgatagtc	tcacgcacat	gcttcttaac	attcaaggca	agagaaatga	tggtttgaat	300
actcgccaag	atctagtgtga	gatggatata	tgagatcagt	tacatccaag	gtctgatggg	360
aacagaatat	acttgcttcc	agcttgtcat	gctttgttg			399

<210> 8294
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 8294

agctttggct aagttcaaac actacctatt ttgccataaa ttcattattc atactgatca 60
 gcaaagcttg aaggaattat tatagcaaag gttacaaact cctgagcaac agtagtggtt 120
 acccaaattt ttgggatatg attttggtat tcagtacaag ccgggtaagg agaattattcc 180
 tacggatgaa ttgtccaaaa gtttttctat ggcatggtct gaagcagtag gagtatggat 240
 gactcaagta gcaacattaa tgaaggagga tgctattttg gctgcacttt ataaacaatg 300
 tatagagggg actgtgtcag gaactaaata tacagtgaat gatggattgt tgttttg 357

<210> 8295
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 8295

tgctcttcgt ttgattccaa atggtttatt tcttaatggt cactgttgta caagctcaag 60
 tgcacacatt tttcatcaag caagggtgcca caatggtacg ttccatagga ccacatttcc 120
 aagtcccacc agcatcgctc caaggcctag ttggagtcac aatactcttt gctgtgcat 180
 tctatgaccg tgtctttgtg ccactagcaa ggaaaatcac agggaaaccc actgggataa 240
 cagtgttaca aagaattggg gtaggacttt tcttgtcaat ccttaacatg gttgtgtcag 300
 cacttgtgga ggccaaaagg gttggtgttg caaaagagag tggcctaatt gatgacccaa 360
 aagcagtgtt accaatcagc atttgggt 387

<210> 8296
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 8296

agcttctaaa caatgggtttt gtttttctcc actaccctat tcaccattgg ttaagggtgt 60
 tccttagtca ttctactagt gtatgtagat gacatcatcc tgtcaggacc aaattttgcc 120

tctatgcaag ctattcagac ccaattgcaa tctatgtttc aattgaagat ccttggcact 180
 ttgaaatatt ttcttggtt agaaatagct aaatccaaca gtggtatctc actctcccag 240
 agaaaataca ctctatctct tttagaagat gcatgtttct tggcatgcaa acctttcaat 300
 gaatcccaac ctgaagctca atcttcatga tagagactta ctacctgatc 350

<210> 8297
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 8297

agcttctaca ttcaatttca agcttttcga tatatttctg gactcaatcg gacatccgag 60
 taaaaagtta ttgtagtttg aatttgctca gggcttcggt attccatttc gagcgtctcg 120
 atatattacg ggactcaatc ggacatcaga gtaaaaagtt attgttgttt gaatttgctc 180
 agagcttcgg tattccattt cgagcatctc gatataattac gggactcaat cagacatccg 240
 agtaaaaagt tattgtagtt tcaatttgct cagggcttcg gtattccatt tcgagcgtct 300
 cgatgtatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaatttgc 360
 tcagagcttc tacattcaat ttcgagcttt tcgatatatt ac 402

<210> 8298
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 8298

agctttgagc aaattcaaac gactataact ctttactcgg atgtctgatt gagtctgta 60
 atatatcgag acgctcgaaa tggaataccg aagctcagag caaatttaaa cgacaataac 120
 ctttttactc ggatgtctga ttgagtcctg taatatatcg agatgctcga aattgaatgt 180
 tgaagctctg atcaaattga aacgacaata aatttttact cggatgactg attgagtcct 240
 gtaatatatc gagacgctcg aaattgaata ccgaagccct gagcaaattc aaacgagaat 300
 aactttttac tcggatgtct gattgagtcg cgtaatatat cgagacgctc gaaattgaat 360
 ac 362

<210> 8299

<211> 391
 <212> DNA
 <213> Glycine max

<400> 8299

ttccagggtt ggtttatgat gacgggcttc ttttttgggt acacgtggca ggatttccga 60
 gctggataca gaaaaagggtg gaggaggcac agttagtgtg cgcggagggt gggaaggaac 120
 tacggttatg tagcagggat tctccgtacc ttggaaacac gaatgttgcc acgtgtcacg 180
 agctgaacac gtatctgcac ctcgttgatg gcttcgtcag ctccacgtgt cccttcagag 240
 cctccgcgaa gaggttcctc cagcgttgac agccaccgta gtgtggtgct ctaacccaaa 300
 ccattaacag aaaagataag ttttcatggg aaaatgtaat tattagctgt agttgtctaa 360
 attgttgac aaccatcgtc attgtagtta g 391

<210> 8300
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8300

tgaccaggaa ttatttgtat tgggtggatg ttgaattctg gttgttcctg gtgcggagat 60
 gatggtacag cgggtgaacc aggagcggca gtttcttttg gtgaggaagc catggaaaaa 120
 cagagcgttt ggaatgattt cgtaaacttc agaaaactat tgggaaatgc tggagaaaac 180
 acgaatgcc aagcagatata aatttgaatg aagaatgtag aggggcgtgt gaagcaacgg 240
 tcgaatttgc tttgtggtga acgtgctatt aatgttaagt gattcgtttg ggcacgttca 300
 gattgcagta gctgctataa ttcctctagc agacaaatgc ccagcttgcc cctcagttnt 360
 tcaaactgat ttgcatccaa agcctttgtg aaaat 395

<210> 8301
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 8301

agcttgcttc tacaccactt attgagaaga tgagtcaaga agaagctcgc caccatagga 60
 agccatggat aagagcttga aggtaggaga agatgagtgg agggagaggg agagaagaag 120

cacagaattt tgtgcctcaa atgaggtctg aactttgaag tgtaattctc aaatgatcaa 180
 agttgaaaaa atgcacacac atggcctcta tttatagcct aagtgtcaca caaaattgga 240
 gggaaatttg aatttcaa attcacttgaa tttgtggagc caaattttgg agccaaaatt 300
 tcactaatta tgattagtca attttatcta tggttcagcc cactaatcca agatcaactc 360
 caagattctc c 371

<210> 8302
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 8302

agctttgggt tcatggccc ctttgacatc tattccccac atggaaaaag gacaaggggc 60
 agacatgaca ttcaaaggat gtggcggaac attgacattg tccgtgtatg cttgacattt 120
 atggcatttc cttacatggg cgcagcaatc gctttccata gtgagccagt aataacctgc 180
 tctaaggatc ttcttgcca tagcatgcct attggcatgt gtcccaaag aacccccgtg 240
 gatttctca atcatgtagt ttgcctcttt ggcattctatg catcgcagga gggatcatgtc 300
 gtgggttcgt ttgtacagga tgggtaccact cacaagaaa ccagtagcca atctc 355

<210> 8303
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 8303

tgcaactctt tcggcatggc atcataaatc tgtcaccacc tcctgtgagc cgagtcactc 60
 gcgaaaacat ggcgatcctg catgtcccag ttacaatcat aatccctata acacatccac 120
 ggcttcagac ccaggtagtg tacggcgtag acgtcatcag ggagctcgtg catcccatgg 180
 ccactactag gaaaagtctt gagctgattc accttggccg gcaaacgggtg ccaccacgtg 240
 aagatttcgt tgagaaagcc ttggtcgccg ccgttgtaag aacgcacctt ggaagtcacg 300
 ttcatcattt tccggaacat gcattgcgac ggctcgatta ccatcaagcc cgagttgaac 360
 agcgttttct cgtaggtgc ggctgataac tg 392

<210> 8304
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 8304

agctttttct cccitttcctt tgttcttctc ctctccttgc gttcttcttc ttcacgtttt 60
 tcctttttctt cttcttcaag aagcttcacg tgtagacaaa atcatgcaat tgggatttag 120
 aagtgcattt taaaaataga aacaagagct ttttttcctg tccccaacag cttttttcct 180
 aaaagcaaaa aactaagacc tgcttttcca acgtaatgat ttctttgcat gctacatgca 240
 ctcgatcctc cagcagtttt agtgcaagac aaacgaatat gctatgtgca ttttggcgtg 300
 ctgtcccttc tctgaaagcc ttttcaacct gaaaggatag tacacagtca gtgggt 355

<210> 8305
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 8305

tgtgttgaca aggcccagtt gatagaatth ttttctccct gaagttggca tattactggt 60
 atggaacctg acacctgagt gttcatgttt tcattgttga actgctgtat gtttctgtgt 120
 tttgtgttta cagcaccata acttaacaaa tcaccaatct gcaattacct gggtgtgata 180
 atgacagggt tgttgtttga agctcaatct ttgcataagg aggcctttgt ttccttctca 240
 gtctcgttgt caatagaacc ggattacatt ccagttatta tttcaacagc aaaattgtta 300
 cttaaacttg gaatgcaatc acttccaata gcaagaagct ttttaatgaa tgctttgaga 360
 ttagacccca caaacatga tgcattggtt aaccttgg 398

<210> 8306
 <211> 349
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8306

agcttgtgcc tctttacgtc tgttatatta atgnancatc caaagaccct tatgtgcttt 60
 gctgatggct tcttcccgtt ccaagcttca attggagtct tgtcttttac agacttaatt 120

ggacatctgt tgattatgta aacagcagcg tagactgctt cagcccataa tgtgttaggt 180
 agacccttct ccttgagcat tgatctaacc atttccataa ctgtgcgatt ctttctctcg 240
 aacactccat tttgttgagg agaatatgcg actgtaagtt gtcactcaat gcctttatcc 300
 tcacaaaaac tttcaaactc gcgagaagtg tactctttgc cgcgatcac 349

<210> 8307
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 8307

ttgaggtagt ttggttcctt taaatatttg catctatgat tgtttgctat tgtttatata 60
 ttgaattgta ggtattgatt taaacatctt taatttctgt gcagtatggg tgttactgaa 120
 cttcctccaa atgatgctaa gagagctctt gaggcattat gcataccagt cataactcct 180
 ttacagggtta gtgtccaatc tgcagagata ttttttagtta tacattttct tttgatgttt 240
 ttgcttttcta taatttgctt catcaggaag ctatcaatca aggtccagaa agcttgagta 300
 aaagaccttc tcgtcagtta acagttcata ttgatcgatt tgcctacatc tttaggtgtg 360
 ttccataatt aatattgtca tgtctatgca ccct 394

<210> 8308
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 8308

tagcattagc atgtgttgac actggatcac tttttttggg tacgtgtttg ttacttttagt 60
 ggatcctatc aaagaacctc cgcttataac tacaacata gttctgtctg tttttgttgt 120
 gtattgtcat gtggacaaag ttccatgcca tgtttgagac atctaagatt ggcgtcttgc 180
 ctttgcccag tattatTTTT tgcaacatct tcctttctta accttgatcat tacctcgaaa 240
 ttttaatatg gcaacttact cttgtggaaa ataattttta agaattaata taacacttta 300
 aaattaaatt tagaatatta aaaaaatata aaacatagat ataattcttt aggtgttatt 360
 gatacttttc tcctgttaga attaaaatcg tact 394

<210> 8309

<211> 360
 <212> DNA
 <213> Glycine max

<400> 8309

agcttgaaga atgtatatac aattggcagt ggggatgatt ctgcaccaaa gttacctgat 60
 cgagagcccc aaaaggcacc taatgggcat gctgttatgc atgttaagga tatactgcct 120
 cgaggcctta tcaactctgg gaatctatgt tttcttaatg caaccatgca ggctctcttg 180
 tcatgctcac ccttcgttca tcttttacag caattaagaa cttgcaacct tcctaagggt 240
 agtttttctg ctgctgcatt tcaactatta actaatactg ccatctactg gttttagctt 300
 aacttatata tggcttaata acattaaagg aataaagacc taatagctgt attatgcatt 360

<210> 8310
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8310

agcttatcct ccaagccaga aagttccaaa acctcccacc aggtccaccc tctctcgcca 60
 taatcggcaa cctccactgc gccccctcca tcgcaccttc aaagccctct ccaacaagta 120
 cggccacgtc atctccctat ggttcagctc ccgcctcgtc gtcgtcatct cctcccaaac 180
 cctattccaa gaatgcttca ccaaaaatga cgtcgtcctc gccaacgcc ctcgcttcct 240
 ctccggaaaa cacatcttct acaactacac aaccttaggg tcctccccct atggcaagca 300
 ctagcgcgtg aggggggagga ggacngaggg tggcgaagga ggagggaaaa gggg 354

<210> 8311
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 8311

tccaaccaca gaaatttcac ccaaattaga gttactttta ttctaaaaag aactacagag 60
 attatatact aatactaaac ccacaaatca aactaatgtt ttgcaggatt acaacgcaaa 120
 aatttcagat tttggcttgg cgaaattagg gccttcgggt ggagattcac acgtgagtac 180
 gaggatcatg ggaacatatg gctatgctgc tccagaatac gttgcaacag gtgatcatct 240

catcttatct aaacacataa atagagagat ggtttgtgaa tatgctagtt gaagttgaaa 300
ctaattgttt tatgattcaa caggacacct ttacgtgaag agtgatgttt atggtttttg 360
tgtggtgctg cttgaaatgc tgacagggat gagggcaat 399

<210> 8312
<211> 356
<212> DNA
<213> Glycine max

<400> 8312

agcttccatc acaaacactt tatggttaga aggttggtag aaataatata ccattgtttc 60
ttcaggataa ccaatgaatc tacacttata agaccttgcc tcaagtttat ctgtttgcaa 120
tcttttaaca taatcagggc aaccccatat cttgatgtgt ttaagacttg gtttctttcc 180
tttccatata tcatatggag ttgtagagac tgcctttgta ggaactttat ttagcaagtt 240
ggttgttgct tctaaagcat atccccataa gtttaatgga agatcgggtga accccatcat 300
ggatcttacc atatctagta aggttcgatt tcttctttca gatacacat tgtgtt 356

<210> 8313
<211> 395
<212> DNA
<213> Glycine max

<400> 8313

tctggttaagg gctgcaaagg gtccatatgt tttatgtcaa aaactttcaa aagatataat 60
taaaatagtg agaggcaata aaaaatgcta aatgatctga taagcacatg cataagacta 120
ataagtttgc tgaagttcaa ggctgaaaaa catggaccac aataagtga taaaccaatt 180
ggaaacataa gaggagagca cctgctattg ggatcataat agaatccact gatagagcca 240
tcgctgcaag agaaacaaat gtagtaaaat ccggctatgg ttaatccaca gtcggttcca 300
acattcacia agtactgctc cttccacctc tgcaacaaag aaataagtgc gatttgtaaa 360
ggttctcatt tcagataaat actttttttt tcaac 395

<210> 8314
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 8314

agcttagact gagttcagcc tactcatcct cagactgatg gccaanctgn ncgaaccatt 60
 cagtcattgg aggacctttt aagagcatgt gtcttacagc agaaggggaag cttggagagt 120
 tttcttccat tgatagagtt cacttataat aacagttttc actctaccat tggcatgact 180
 ccctatgaag ctttgtatgg tagaagggtg aggacacccc tatgttggtt agagcccgga 240
 gaaggcctca ccttatgacc agaagtggta cagcaaacca ctaagaaagt taagttaatt 300
 taggaaagga tgagaactgc tcagagtagg caganaagtt ttcatgataa g 351

<210> 8315
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 8315
 agcttgtgtc gcactttcaa ctgctgaagc taaatatata gttgcagtaa gttgttgtgc 60
 tcaaagtctc tggatgaagc aataacttga agactttgga gtacatcttg atcacattcc 120
 tatacaatgt gacaacacaa gtgttatcaa cctaataaaa aactatgtca agcattctag 180
 gactaaacac atagaaataa ggcattcattt tcttagagat catgtgccta aagggtgacta 240
 ctacattgag ttcattgata gtgagcatca actagcagaa attttcacta aacctcttga 300
 tagagatagg ttctttttca taaaaaatga actaggcata ttgaattcat ctagcat 357

<210> 8316
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8316

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 ccaaagcaca gcttcaaatt tgggcacttt agatgtgtca cacaatcaaa taaaggggca 120
 actgccagat tgttggaat cagtaaagca attactgttc cttgatttaa gcatcaatat 180
 attgtcaggg aagattccta tgtccatggg cgcccttggt aatatggaag ccttggtttt 240
 acgaaacaat ggtttaatgg gtgagttgcc ttcttctttg aagaattgca gcagtttatt 300

tatgctggac ctgagtgaaa atatgttgtc gggccaata cttcatgga

350

<210> 8317
<211> 398
<212> DNA
<213> Glycine max

<400> 8317

taatacccaa aatcacatct acaggaccaa ggtttcttca tatcaaaatt tctagacaag 60
aaagacttca catcatttat gaattgcata ttactaccaa atatcaatat gtcattccaca 120
taciaacata aaatgacaca tccattatca tcaaattggt tcacatacac acatttatca 180
gtattattga tttgaaaacc atacgaaaga acaacttgat caaatttttc atgccattgt 240
tttgaggctt gtttcaaacc atataaagat ttaacaagtt tgcaaacttt cttttccttc 300
ccctgttcta caaagccttc aagttggctc atataaattt cttcttctaa ttcaccattt 360
aaaaaggcag tttttacatt catttgatga atttctaa 398

<210> 8318
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8318

agcttcaatg gcttantaag gatggagagg tgcaagtaag gaagcaaag gagttggata 60
tttcatttgg aaattacaat gataaggtgc tttgtgatgt tgctcctata gaggccagcc 120
acttactctt ggggagacca tggcaatttg ataagagggc taatcatgat ggtttcacca 180
acaagatctc tttcacgcac caaggcaaaa aagatagtg tcaaaccatt gattccacaa 240
gaagtgtgtg aggatcaaag aaaaatgaga gagaaaattc ttcaagaaaa gagagaaaaa 300
gaaaaagaga gccaaacact tgagagttca aaaagtgagg acaaaaagag gga 353

<210> 8319
<211> 359
<212> DNA
<213> Glycine max

<400> 8319

agcttattct ataactacca atttccacag gtaatcgatt acaacctatt gtaatcgatt 60
acaatggcct tgttctacgg taatccatta tagtgagtgg taatcgatta ccagacccta 120
aaatatgagt ttcaagtcta aaaatcagga caaatatgtg attataagca atcaatatac 180
aattaaacaa tcaaaaacat ttatgagtat gaaaaattac aaaaaacaac catcaaattgc 240
aattattata aacattcaaa gtaatcaatc atcataaaca agcaaaaataa ccattaaaaa 300
cagtcattat aaacaatcaa aacattataa gcaaacaag tggctaggaa tctaagtta 359

<210> 8320
<211> 423
<212> DNA
<213> Glycine max

<400> 8320

gagagcttcg cggcgctatt tacgagtgcc tgtatagtgg tgcgcctgaa tccgacatcc 60
cagtgtaaag ttatgaccat gtgaatctct cgagaggtgc ctatgtttaa ttttgagcga 120
gaggatatat tatacgcttg aatcggacct cagtgttaaa agctatgacc atttgaattt 180
cttgagagca tccgacgac attttctgagc ggcgctatat gtgatgaacc ttaatcggac 240
ctccgtgtga aaagttatga ccatttgaat ttctcgagag cttccgtcgt tcaatttcga 300
gcgtctcgac atattatgcg ccgaatcgg acatccatgg gaaaagctat gaccatttga 360
atctctcgag agcttccagc gttcaatttc gagcgtctct acatatgatg cgcccgaatc 420
gga 423

<210> 8321
<211> 395
<212> DNA
<213> Glycine max

<400> 8321

ttgaatgctc tattcaatgg agttgacaag attatcttca gacttatcaa cacatgcaca 60
gtggccaagg atgcatggga gatcctgaaa accactcatg aaggaacctc caaagtgaag 120
atgtccagat tgcaactatt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180
tgtattcatg acttccacat gaacattctt gaaattgcc atgcttgac tgccttggga 240
gaaaggatga caaacgaaaa gctggtaaga aagatcctca gatctttgcc taagagattt 300

gacatgaaag tcactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360
ctcattgggtt cccttcaaac ctttgagcta ggact 395

<210> 8322
<211> 349
<212> DNA
<213> Glycine max

<400> 8322

agcttgtacg gacagccact cttacatctt attcatgaaa ggagagggaa gaggatccat 60
ccttgttacc ttgtaagat ttttataata aaatgctgca ttctccaatc ggttattgtt 120
gatgagcgaa acaaatgatt tttctcattc ttaacaatag tcatgccacc cttgttcaca 180
accacttgca ctctactgac ccatgcacta ttcaaaattg agtatgctat tctaccttcg 240
ataagaataa gatgctatct acttaccctg tctgtatca caagactcaa tctcctttac 300
gattgaacca ctagttttaa gtcttgattc atcataattt acgcatgca 349

<210> 8323
<211> 357
<212> DNA
<213> Glycine max

<400> 8323

agcttgtgtc gcactttcaa ctgctgaagc tgaatatata gttgcaggaa gttgatgtgc 60
tcaaagtctt tggatgaagc aacaactaga agactttgga gtatctcttg atcacattct 120
tctaaaatgt gacaacacaa gtgctattaa tctaaccaag aaccctacca tgcattctag 180
aactaagcac atagaaataa gacatcattt tatgagagat caagtgtcta aaggtgacaa 240
cttcattgag ttcatagata gtaagcatca aatagtagac attttcacta aacctcttgc 300
tagagatagg ttcttttttca ttagaaatga actaggcata ttggatgcat ctagcat 357

<210> 8324
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8324

tttcttccat cataactctt gatcaatgta catgcataca ctatcaaadc tcaaagatat 60

ttcattattc tcagaaaaag caacatcact tgtaactttc ctcacactat ttgtttctta 120
 tatcatgtct ttgagtgaga aaaatgataa aaagaaattt cttcaaagtc ccatccaaat 180
 cgattgagta acacaattat taaaatagaa gaaaatttaa aataattttg ttcactctta 240
 atttatataa tctgcactaa taaaaataga attatataat atgcatgtaa tcctaaagaa 300
 acgggactat taaaagaata tttaaaaaaa aaacatntaa aatcatgata agaatgtatt 360
 agtaatatta ttttaagaaaa tattaagtac tttggaaaaa atgtaaaata attatatctt 420
 tatgaa 426

<210> 8325
 <211> 582
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8325

tgtagcaaat tcaaacagga ataacttttt acttgatgt ctttttgtgt cttgtagtat 60
 atcgagacgc tcgttattga aaacagaagc tcgtagtaaa ttcaaagtc aataactatt 120
 tactcgatg tccgattgtg tcccgttaata tatctagacg cttgtaattg aaaatggaag 180
 cttgtagcaa attcaaacag gaataacttt ttactcgat gtccgattgt gtctcgtagt 240
 atatcgagac gctcgttatt gaaaacagat gctcatagca aattcaaagc acaataaatt 300
 ttactcaaa tggtcgaatg tgtcccgtaa tatatcgaga cgctcaaaat tgaaaacgaa 360
 agctcgtagc aaatgcaaac cacaataact tttaactcgg atttccgatt aagtccagta 420
 atatatcgtg acgctcgaaa ttgaaaacat aagctcttag aaaattttta cgacaataac 480
 tntttactcg gatgtccgat tggaaccggt aatatatcga gactctccaa atngaaaaca 540
 gaagctccta ngaaattcaa ctacaataac tttttactcg at 582

<210> 8326
 <211> 616
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8326

atcctctaag cacctgcggc tgcagcttca ttttaattac aagcgtctag atatattttt 60

ggacacaatc ggacatccga gtaaatagtt attgtcattt gaatttacta cgagcttctg 120
 ttttcaataa cgagcgtctc gatatactac aagacacaat cggacatcca agtaaaaagt 180
 tattcctggt tgaatttgct acaagcttcc attttcaatt tcaagcgtct agatatatta 240
 cgggacacaa tcggacatcc gagtaaaaag ttattgtcgt ttgaatttgc tcagatcatc 300
 tgttttcaat ttcgagcgtc tcgatataata acgggagtcg atccgacatc cgagataaaa 360
 gttattgtcg ttggaatttg cccagagctt caattttcaa tttcgagcgt ctcaaaaatat 420
 tagagcactc aatcgacat cttagttaaa agttattgtc gtttgaatnt gctacgagct 480
 tctattttca agtacgagca tctcgatata ctacgggtcc caatctgaca tccgagtaaa 540
 aagttattgt cgnntaaaat ntctaagagc ttatgttntc aatttcgagc gtcacgatat 600
 attacgggac ttaatc 616

<210> 8327
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 8327

tcttaaaact cactaaagaa gtcttgatgt tcctaccaa atgctattgc taaaatatga 60
 ggaaatTTTT ttgaaatatt attctatgat tccaaaaagg tacaagttct aacaagaata 120
 tattggttaa tcataataac ttttaagaata aaggagatat gtagatttgt gctaactata 180
 gtggtataaa actctcaggt aacaccatga aattatggaa aaaggtgatt gagcataaat 240
 taatagaagg gatgaggatt atcgggaatt aatttggttt tataccagga aaaggtttgc 300
 aacagtagct tacatacagt attattgact tggaaaa 337

<210> 8328
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8328

cacctgangc atcaagcttc tatagaaggt ttgttcttaa tcgctctacg attgcttcat 60
 tctctctatg aggacgagaa aaagaatgcg gcatttacct gaggtgaaaa actagaacaa 120

gcgttttgcta tgctcaaaga aaagcgctact aaggcacctg aactagctct tgctgacttt 180
 agtaaaactt ctgagctaca atgtgacgcc tgtggagtgg gagtgatagc tgtattgtta 240
 cgaggtaagc accctatttc tcatattagt gatgaccttc gtagtgccgc ccttaactac 300
 cccacctatg ataaacagct ctatgcctta atgagagcac tccttacttg agaacattac 360
 cttgctatca acgaattcgc cattcataca gatcatcaag cacttactta cattggaggg 420
 caaagcaagg aagacatgat gcgtgcataa tgggt 455

<210> 8329
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8329

aaggggctat ccagtcgggt tcgtggatga ttgtgtgttg tttcaatgct cttttgaggc 60
 aatcaaaagc ctctttgcat ttatcattaa agtcaaactc cacctccttt tgcaaaaagt 120
 tggaaaatgg aagggctact ttgctaaaat ctcttataaa ggcctatag aatcctgcat 180
 gaccaagaaa agatcgcacc tctcgcatgc aagatgggta aggcaattgt gaaataacat 240
 aaatTTTTgc aggatctact tcaatgccct tattggaaat aatgtggcct aaaattatac 300
 cttgctcaac cataaaatga catttttcaa aatttataac aaggtagtt tcagtgcac 360
 tattcaaaac cttntccaga ctatccaaaa aaatatcaaa agaggatcca tatacagtga 420
 aatcatccat aaacacctct attcaatnnt ctaanaaatc actaaaaata ctgatcatg 479

<210> 8330
 <211> 703
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8330

aaagacaata cttcattcat aacatcaaat aaactagata gtcatccaca atattcaa 60
 aaaacatata tgaataatta aaaaaataa aacacaatac caaatgtaag tacataccac 120
 tagtcatata tcattaaagt aattaagttt aagacacata atcataaaca accaagagca 180
 agtcaatata atcataatgt tcagtcatac taagcaagta taaaagaaa tactaagtat 240

tcaaattgtca taaaaacata gtcaaataca aggcttaaaa acaaaatata attataatct 300
 aaatatatta tcagagaatc aaaacttaat tctaagtaac aaaaattagt tatgaacaca 360
 tacatggtaa ctctactt atctcgatta attaaccact agattttaag tatcaaataa 420
 caatcatcaa cacatatcat agtaattatt tacttaattc aattattcta acatgtcaaa 480
 acattnttta tttttaaca gaatctaata atcttagaaa caaaacataa gcaattcaag 540
 cattaatcag atcagacaaa attcaattaa tcatacatat ttcaaattaa aactaaatat 600
 nagtatttaa acatttgtaa cacaatcaaa caattttcaa caattatttt ctattagcca 660
 caaaaacaac ttaactaaga atactaatca ttccttaatt cat 703

<210> 8331
 <211> 485
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8331

cttgaatgct ctattcaatg gagttgacaa gaatatcttt ttattggtca acacatgcac 60
 agtggccaag gatgcatggg agatcctgaa aaccactcat gaaggaacct ccaaagtga 120
 gatgtccaga ttgcaactat tggccacaaa attcgaaaat ttgaagatgg aggaggaaga 180
 gtgtattcat gacttcaca tgaacattct tgaaattgcc aatgcttgca ctgccttggg 240
 agaaagaatg acagatgaaa agctggtgag aaagatcctc agatccttgc ctaagagatt 300
 tgacatgaaa gtcactgcaa tagaggaggc ccaagacatt tgcaacatga gagtagatga 360
 actcattggt tcccttcaaa cctttgagct angactctcg gataggactg aaaggaagag 420
 caagaatctg gcgttcgtgt tccatgatga aggagaagaa gatgagtatg acctggatac 480
 agatg 485

<210> 8332
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8332

agcttttagt ttgaatataa gttttaacac atcggttttt tttatttaaa aaaaccgatg 60

ttaacataga atcggttaaca tcggttggtta aaaaaaccga tgttaacata gaatcggttaa 120
catcgatttt aacaaaaccg atgttaacat agaatcggtta acatcaattt taacaaaacc 180
gatgttacat acgtcatggt aacatcggtt ttcacaaaac caatgttaac gattctatgt 240
taacatcagt tttttaaaaa accaatgtta ataaactggt tttatttaca agtatgccac 300
tgtgtttgtg ttaacatcgg tttttagtaa aactgatgtt aacctagtga tgttaaatgt 360
atatntntta gtagtctata tttgaaaaca aaaacacaaa aatgggttaat taaattaaaa 420
tttttt 426

<210> 8333
<211> 581
<212> DNA
<213> Glycine max

<400> 8333
acctgccgca tgcaagcttc atcctcctct ttgtgacaat cacttgcttt ttctcatcat 60
tgttttcagc atcatttccc aaagggact cttcatgagt gacacgactt gtagtactag 120
actttgttgt ttgtttttcg aataaattct cggattgagg cacaatattg atattgttct 180
ttgggtgcaac acttggtgtg ccaatggact tgtttctcac acttgctatg cttctcaacc 240
ttcctttccc taagtgatgc tcgcaaagag agtaaccac caagggttgt tggcaacacc 300
tccatcctct cccatttaca cgactgcacc ttgaaccttc cattagtgc ccacccctta 360
ccctcttctt accaacgttt tcttggtcgg gtttgttgcc tcttggtgcc acctcttct 420
cgatctctct tacctcttct tctcttctt tttcttctgt gtcgtcttgc ctggaacatt 480
tctgcgttat ctttgcttc attctcttcc gcttgtttc aaatcttctg tgcgctgtca 540
tcattgtcat aataattgta tcattctccg gtgcattctc g 581

<210> 8334
<211> 561
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8334

tttagctaga caactntnta ttactatggt ttattttcta tatttttctt ccattctatt 60
cttttcttgc tcgctctctt ttgtctctt ttttccatg agatattttg ctacctaaac 120

atacgtatat ttttgtgagg tattttgcta tatacatgcg tgtccaaggt atcttgctac 180
 ctaaacatac atatatatgt tttgtgagat atttttgcta tatacatgca tatccaaggt 240
 atcttgctac ctaaacatac atatatatat tttgtgaagt atttttccta catacatgca 300
 tatccaaggt atctttctac ctaaacatac atatatattt tgtgagggtat gactaccttc 360
 cgagcttggtg cttgtttttat tttaaattcct aggatcatga gcaactaggt gtgtcctgct 420
 atgacttgag aaacaaaggt gatcaaataa caagcagaga tttaaaaggt actaggttgc 480
 ctccatgtag cgcttcttta acgtcttgag ctggacgcct gatggcttgt cggtcacgaa 540
 cctagcactt tgcatacttt t 561

<210> 8335
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 8335
 tagagcttag ctacacatac ctctctaata gctaagctca cctccttgag atgagaagct 60
 agagcttagc tacacacccc ctataatagc taagctcacc cccatgacaa aaaacatgaa 120
 aataataaaa aaaaagtcct tattacaaag acaactcaaa atgccccgaa atacaaggct 180
 aaaaccctat actactagaa tggccaaaat acaaggccta gacgaaggaa aaacctattc 240
 taatatttac aaagataagc gggctcatac ttagcccatg ggctcgaaat ctaccctaag 300
 gctcatgaga accctagggc ctttccttgg atctctagcc caatctactt ggagtcttct 360
 a 361

<210> 8336
 <211> 519
 <212> DNA
 <213> Glycine max

<400> 8336
 agcttccaca catcattttt ctggttttgc ttctgaatag ccatttagca cctactgctt 60
 tctttccttg aggttctaga gttgtaaact ctataggcct tagatatattt aaagtatcca 120
 agtattattc cattatcaca cttagagtca aactttccca agttgtcttt aatatttaga 180
 atgaaacatt gacatctgaa aggatggaaa tatgaaatgt tgggctttca tcctttccac 240

agttgatgtg gagtccttct caaaataggc cttatataaa ttatgttttg taaataacat 300
 ggagtattca cggcttttagc ttgtaagtgt aaggtcatta agcatgggtc tggccatttc 360
 ttgcaatgat atattctttc tctcaatcac accattttgt tgagggtgtc tatgattaga 420
 gacaatatga agaattccat tttctttaca gaatagatga aagtattcat tctcaaactc 480
 tcgatcatga tcaacttctag gtgaagtaat gcatactat 519

<210> 8337
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8337

agcttcaatg gatcttacat catgtggtat cagagcttct attaaataaa attaaattga 60
 atttctagaa gccaatcca attaaatttt agagggggag gtgagcattt ggttactaca 120
 cctcattgcc acattatatg gtcacacggt gtgcatgtcc ttcattgttt acatgcctca 180
 tgccacctaa gcacacttag tggagaatct tgggaattgat cttggattag tgggctgaac 240
 cataactaaa attcactaat cataattagt gaaattttgt ctccaaagt tgggtccaca 300
 aattcaattt caaattcaag tgaaatttga attgaaattc aaatttcctt ccaattttgt 360
 gtgacactta ggctataaat agagggtcatg tgtgtgcatt ttttcaactt tgatcatttg 420
 aaaaataaac tntagaattc aaagctctct tagagcacia aatttcgggc tcttctctcc 480
 ctctcccttc attcata 497

<210> 8338
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8338

agcttagtgc tcttcataaa aatcaaaant agntatttga aattacttct attttaataa 60
 caatattggt aaatatatag ggtaatatgt gatcaaatat ttggcgagac atgaaattta 120
 taatacatca ataattttga aataaaaaag gattaaaaca ttaataattt cgaagaggaa 180
 tgagtactta gattagaaaa aggacatta ttaagtta aaaataattc ttatattttg 240

tcaaaaataa agttctatta cgtatacatg aatggagaca ttttaatttg taaatgacta 300
 attattgccc cgattctttc gcttggattt catcatcctt tggcttaatt aacttataaa 360
 actaagcagt tgcaatcata tcctataatt acgccagcct gatgatcata ccattattgt 420
 ttcttaggta ctaggtacca aaaaaatat attgacagtt ttgagttcta ctcaaata 480
 attctacta 489

<210> 8339
 <211> 507
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8339

cccatgttga atttgcttac aatagagctg ttcatagcac ttcttattgn tctccttttg 60
 aagttgttta tggttttaac ccactaactc ctcttgatct ttgcctatg cctaattgtt 120
 ctgtttttta gcataaagaa ggtcaagcaa aggcggacta tgtgaagaag cttcatgaga 180
 gagtcaaaga tcaattgag agggaaaaata aaagctatgc taaacaagcc aacaaaggga 240
 gaaagaaggt tgtcttcgaa cccggagatt gggtttgggt gcacatgaga aaagaaaggt 300
 ttccgaaaca aaggaaatca aagcttcaac caaggggaga tggaccattt caagtgcttg 360
 aaagaatcaa tgacaatgct tacaaagttg agctgcccac tgagtataat gttagttcca 420
 ccttcaatgt ctctaattta tctctttttg atgcaaattg agaaatcgat ttgaggacaa 480
 atccttctca agaaggagag aatgatg 507

<210> 8340
 <211> 491
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8340

atgtagact attgacaagt gtattaatat cgttactttt acagatttta agaagagata 60
 gtctccagag agacttgagt tattcaattc ctctagataa aaataatcag tttaatagtt 120
 atgtacaaat ttaatgaaat atcatggatt tgtctaacta acgaaagaaa actaaagcaa 180
 cggaataaca aaaatgacga aatttagtgt gtcagaaata cgtaaaatta agaaaacaat 240

aataacaaat ttaattaatt caagaaaaaa ttaggattgg atttcatcgt tcataccctc 300
aatatcctaa taatattaac atatatgaat cattttctaa cattattgat gcacacatta 360
aattaccctg aatcgacccc tcgcactcga gaatcctaag aatatntacc gaatatcgat 420
ccctcatata tgaaataaat atctcaacat tacaatcata atctcgtgct acttgcaatc 480
aaaatgttat g 491

<210> 8341
<211> 383
<212> DNA
<213> Glycine max

<400> 8341

agcttgtcaa ggattaataa acaaccttta ttattcatat ctatgtaaat gaaagactag 60
aaagtcatctt ggttgtcaat gccattatta tattatcttt aaaatgagaa taacaaattg 120
caaaagaaaa cattatcaaa agaataaaat aaatgatatt atgatatttt attttaaacg 180
aggaaaaata taattatctt cttagtagct atgaaaaagg aaataaaata tttcatcaga 240
attaagaaaa atataaatag cactgaaata ttatttatta tctctaaaaa tcaaacctta 300
tcaataaaat aaaagcaatt actatagtat tataaaatat aattttatac taaaaaaata 360
tttgaaaaaa ccaggggtaa cct 383

<210> 8342
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8342

agcttaagct ccttcaactg cacaaggctc ttaatatttg aagagtatcc ttgtggaacc 60
ttcacccgac gaagacactg acaaaaactt atcttctcct tcttgacaa agtatggcag 120
gctgggggca agtaaatttt ctcccatca gaccttgat gcaactgtga tcttataccc 180
atatcagcta gatcttgacg ggtattcaag ccaccttcg tcttgccctg aatgttaagg 240
agcgtcccaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300
ctaacgtcaa gatcactcta ttacggaaga tcaaagaana gtggacctct tcttccatat 360

gcaactctga ctattatcct tcttttgggt cttccaaata cagtgttcag gtgttgaacc 420
 tgctgatata cctgctcacc agagaatggg atccgcacaa tatcatgctc ttgacttcat 480
 taaaagcttt c 491

<210> 8343
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 8343

ttcgagcgtc tcgatatggt accgggacgc aatgattaca tcccagtaaa aagttattgt 60
 cggttgaatt ggctgagatc ttcaacaatt aatttccagc gtctcgatat gttacggtac 120
 tcaatcagac atccgagtaa aaagttattg tcgtttgaat taactcaaag cttcaacatt 180
 caatttcgag cgtctcgata tattacgagc ctcaatcaga catccgagta aaaagttatt 240
 gtcgtttgaa ctagctcaga gattcaacat tgaatttcga gcctctcgat atattacgag 300
 actcaatcag acatcccagt aaaaagttat tggcgtttga ttggctgaga tcctcaacaa 360
 taaatttcca gcgtctcgat atgttacggg actcaatcag acatccgagt aaaaaagt 418

<210> 8344
 <211> 557
 <212> DNA
 <213> Glycine max

<400> 8344

gcttgtatta agaaaatata atacaaatac taaataactg ggtaatttct gttatgacat 60
 tgaaataaaa caataaattt tgatgatgaa gatatgagga ttttgtaaag aagggttgatg 120
 gttatttatg taaaatcttg aaaattagag ttggtttggg agtgaatata aaattattgt 180
 agatttaatt ataatccttt aagcaaagt ataaacaaag taacaactct ttaaagaata 240
 cacatatatc acagataatt acaaattatt aatgctaagt aaataggttt aaattaaatc 300
 ttgaatttat ttgtttcatt aagcacataa actcatgtgt taaattaaaa taatttatga 360
 atagctgac tcttttatac tgctacgtac tactcataac aaaaaatact gctacgtact 420
 acagccattc atatttacac tttatattct ttactttttt ttagcttgaa ttaatttatt 480
 atgaataaat atactggtaa gttaatattt gtgagaatat tctgtgtaaa aaaaatatcg 540

<210> 8345
<211> 489
<212> DNA
<213> Glycine max

<400> 8345

gctcgcccg tcttgcatt gtgctgagt ggtaacatcc ctatgtgctt tccctttgaa 60
aacctgtcga cgacgacgaa gatacacgtg ttgcctttgt aagaaagtaa tcccacgata 120
aagtccatgg ataaatcttt ccatggctgt accggtatcg gtagaggact caacaaccca 180
actggttttc tggtatcgta tttggtacac tggcacgtta agcatcctgc tatgaaggca 240
cgagtatcat ctctaattgga atcccatgta aagttttctt gtaagcgatg aagtgttttt 300
tgaatcccca tgtgaccacc tgtcggagat tggtggaatt cttctagtaa caacttagtg 360
aaggaggaat tcgaggggaat ccaaattcga cctctgtgta agatgaaatc attagttaac 420
gtgtactctg ggtgtgcttc ggggtcatct ttaatcttac gatataactc catgaaagct 480
gggtgagat 489

<210> 8346
<211> 507
<212> DNA
<213> Glycine max

<400> 8346

ccgccctcaa aagaaaacaa agcaaaagga gaaaattccc gatctattta taggaagaaa 60
gaaaaaggag aaaattccca attaaagagt gggagaaagc aaaaaagaaa gaaaattccc 120
gatcaaggat cggaagaaaa caaaagaaat atgcagaaaa ttctctggac cagacaatat 180
ctgaacaata cagaattgtc accaagtaaa caagaaaaga aaggaaacca cgaactaaag 240
tggtcctctc cctttgattg ccaacaaaaa tcctgtgcgt cagtgacttg ttcgcctcac 300
actaaacaaa aacagaaaag gaaaaggcca aaaacactca aagccaaatt tccaacaaa 360
aaaaacccat tccgaagaag aagtcctatt gatccatgat cacgcatgta atctttgatt 420
tgataggaga tgatttgcaa aatcaagtca tgacatatct atgggttcgga attaggacga 480
aacactactt cgagtgattt atttcta 507

<210> 8347
 <211> 536
 <212> DNA
 <213> Glycine max

<400> 8347

agcttttggc acaaaaaaga agaagaagtt caaagagtat tctatgtctt gtttaggatc 60
 gcgccagatt gattggaaaa gtatattgaa aagtaaacca aagccttgct tttatagact 120
 cttcatgtct ggccaagagg accattttaga agagttataa cttttagaaa aacttaaaac 180
 caatttgaaa aagtcaaaaa accatttgaa gagttacatc ttttgtgtga ttcagaaaca 240
 ataactaata atcgattacc aaatcagtggt aatcgattac acaaagcttt tatgtgaaag 300
 gatgtgactc ttcacatttg aatttgaatt tcaacgttca aaggcactgg taatcgagta 360
 ccaaaacatt gtaatcgatt acagctgttt gaaatcaatt gaaacgttgt caattcattt 420
 gaaaactttg tcaaateccat tttgctattg gtaatcgatt acaacaatct ggtaatcgat 480
 taccagagag taataactct ttggtaaaca tgttttgaga aaaatccatg tgctac 536

<210> 8348
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8348

ntagctgtga cccaagggt tcatgtagac tgggtccattt tctctaagtg aacctcggat 60
 ccctgtcaga tacaatacta gaaggaattc catgcaacct tattacttcc ttgatgtaca 120
 actccactag cttctccatt ctatacttca tattcactgg gataaaatga gcagatttgg 180
 tgagtcgac tactataacc cacacagcat catgtccacg actagtcttg ggtaaactag 240
 atacaaaatc catagatatg ctctccatt tccattctgg aatttccaat ggcttcaatt 300
 ctcttgatgg tcgctgggtgc tcaaccttag ctttttgaca tgtcaaacaat cttgctacat 360
 attcagctac atctttcttc atgccatgcc acccaaaaac tttcttcaaa ttgggtacat 420
 cttaatcatt cctggatgga aactaagacg aactttatgc gcatcagata 470

<210> 8349
 <211> 467

<212> DNA
 <213> Glycine max
 <400> 8349

gactctat t aataactcaag ccttgatgca acatttggag aggttaatga aacaacgata 60
 ttat t t t t t t c t c catgagaggt tggatcaa at ggagaataga gatcataatg aagaacaaag 120
 gaggagaaga gggaatgatg gtgttcctag acaaaaccga attgatggta ttaaaactcaa 180
 cattcctcca tttaaaggaa aga at gatcc ggaggcctac ttggagtggg agatgaaaat 240
 agagcatgtt ttctcatgca acaactatga ggaggaccag aaggtgaagc ttgccgccac 300
 ggag t t t t t c c gactatgctc ttgtgtggtg gaacaagcta caaaaggaga gagcaagaaa 360
 tgaagagcca atggttgata catggacgga gatgaaaaag atcatgagga agcggtatgt 420
 gccggctagt tactcaaggg acttgaaatt caagcttcca aaactaa 467

<210> 8350
 <211> 566
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8350

tctttgagaa aacttccttg agaagctaga gcatattttc tctcacctct ctcataacta 60
 agctcacctc cttgagaagc ttccttaaga agattcctaa agaagctaga gcttagctac 120
 acatacctct ctaatagcta agctcacctc cttgagatga gaaggtagaa cttagctaca 180
 cacc c c c t a t aattgctaag ctcaccccca tgacaaaaaa catgaaaata caaaaaaag 240
 ttcttactac aaagactact caaaatgcc caaaatacaa ggcgaaaacc ctatactact 300
 agaatggcca aaatacaagg cgaaaacgaa ggaaaaacct attctaatat ttacaaagat 360
 aagcgggctt atacttagcc catgggctcg aaatctaccc taaggctcat gagaacccta 420
 nggccttccc ttggatctct agcccaatct acttgagtc ttctaccaa tgcccttgcg 480
 ggataggatt gcatcanact ttacatgact ggatcatgta gcagtcaggg caatccatac 540
 aaatattaaa taatcaaatt ttatga 566

<210> 8351
 <211> 505
 <212> DNA

<213> Glycine max

<400> 8351

gcttcgcctt ctaattcaca aaaacatggg ttcattgcatt gtaccaatat ttctgagatt 60
aatcacaaaa tttaagaatt atcatatctg taaaacacaa ttcggcaaaa ttcattcattg 120
gtgaaaaggg gaaattgtta cgaacatcat aacaaaaaat ttgtcccttc aaaataaaat 180
taaacttatt tggaattttt caaccggttc aaatcaagga aaaattatac aatagaagga 240
agagagagag ctcaactccc ttcactcgaa aatatgattc ccaaaggcaa gacactgttg 300
aagttgctac aaatttctag aatattctta aatataatat gtatgaatat ggtagaacaa 360
tctacaacta tagtgtatat gaatatggta gaacaatcta gaactataat gtgtatgaat 420
atggtagaac aatctagaat cataagtgtg tgtataagat agaagagtct agaattatca 480
tgatactaat ctatcatgaa aactc 505

<210> 8352

<211> 515

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8352

agcttcttag tttcagatga tgcagatggg tttgtttcna cctcatgcac tcctctaattg 60
actatggcat catttctggc gctaaactgc tgggagttgg aggccatctt ctcaattaaa 120
tttctggctt cagcaggggt catgtctcca agggctcaac cactggcagc atctatcata 180
cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ttctgaaatc 240
tgatgggtggg ggcaactggc acatagtttc ttaaattctt ccagttactc atacaggctc 300
tctccactga gttgtctaata acctgagata tccttcctaa tggctgtggt cctggaagca 360
gggaaaaatt tttctaagaa tactctctta aggtcatccc agctcatgat ggaccttgga 420
gcangtaat acagccagtc ctttgccact ccctctaattg aatgaggaaa agccttcaga 480
aatatgtgat cctcttggac atctgggggt ttcatt 515

<210> 8353

<211> 500

<212> DNA

<213> Glycine max

<400> 8353

tccaagttca ttaatcatac ctttaagcca gattgtttct ttcactcctt cagctagggc 60
catgtactct gcttcagttg ttgaaagagc aacaactgat tgttgatttg ctttccaact 120
gattgttgta ccaaacaaag taaacacata tctgtttaa gatttccttg tgtctacatt 180
tcttgcaaaa tctgcatcta cataacctgt gattgctgcc tcatatgctg tcttcttgta 240
ccttaatcca actttcgaag atccatttag ataccttagt gtccacttca caacttccca 300
atgtgcactg ccaggatctc ccatgaatct gcttataata cttacagcat gagctaagtc 360
aggctctgcta caaaccattc catacattat gcttccaaca ccaactggcat aggggtgttg 420
atccatttta gacctttctt cagttatttc cagtgtttga ataacagata actttgtatg 480
atggccaagt ggtgtgtaac 500

<210> 8354

<211> 542

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8354

agctntgatg gtgtcgagaa gaaatcacat gtttgttatt ttatttaagg ggtagaatgt 60
gaatgtatgt atacatgatt ttgttagtgc ttagctttac tgagctttta aagattggct 120
aaaattttgt taaaacataa gcacttagac aatgaaggaa agctggagtt gctgcacatg 180
atgtccaacg ttatgtcaag gaatcagatc gggctgcaca atgcacaaag caagatataa 240
tgtcaaatga agaattgaag ctgcacgac cagcatgtcg gatacaatgt ccaggacatc 300
ctgcccgaat atactggaca cataaatctg ttatatcttt aacagattaa tgtgcactta 360
gcaacagatt taagcgatct atctttatga acgaattaaa agataattaa agttcgaatt 420
acaaacttga atagtctgtt cagggattag agattaaaga taaaaactga aagatcaaac 480
ttgatctttt atatctttta gtgcagattt tcaggagaat gatagatctc atccagcgca 540
ag 542

<210> 8355

<211> 498

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8355

at tt t t g g c g a t a t c a g g g t a c a t a t g c t t g a t g a c t t t a g t g a g a a c a c c a a c c t t c c a c 60
g c c t t c t t t a a g t c a t g t g g t t t c t t g t a a g g t g g a g g g c c t t g a t c t t t a g g t a g a c c a 120
a t t t g a g g c c a c c a t t c t t c a t t c c c a g t t g g c c a c c a t g g t g g a g g a a c a c c t t t c t c t 180
a g t g g g a a c c t c c t c t g a g g a g g a t c a c a g t g c t g c a t a a g t g c t g a c a a g a g a g a c c c 240
a a g g t t g t g t c c t g t a a c t c t t g c a a g g t g t g t g g t g t a g g a c c a a t g g a a t t g c a t c c a 300
t c a t t c t t t c c a g g a a t t g c a t t a t c g g c t t g a t a c t t g g c t a t g g c a g c a g g a c c a t t t 360
c g a t c a a a c c t g a c c t t a t c c t t c c a c c a t t c g c g a a g a t t a t c t g a t g c t c c g g t c a c t 420
g g c t t t c c c t t c t t a a g a t t a t c c t a t a n a c a a a c c c t t g t g c c t t g c a n a c c t n c a t t 480
a t c t t c a g c a t g t a c t t c 498

<210> 8356

<211> 413

<212> DNA

<213> Glycine max

<400> 8356

a g a a g a a a t c a a a a g c a a c a a g t c a a a a c t t c a t a t a t g a t a t t t a t t t a a g a t t t t t 60
t c a a a a a c c a a a t a g c a c c a t t t t g t t t t a c a a a g a a t t t t c t c a a a t t t t c t a a a g t t 120
a c c a g a g t g a t t a c t c t t t g g t a a t c g a t t a c c a g t t g g c a g t a a t c g a t t a c c a g t g a c 180
c a g a t t g g t t t t a a a a t g t t t c a a a t g a t t g t a a c g t t c c a a a a t t a t t t t c a a a t a 240
g t a t a a t c g a t t a c a c t a t a t t a g t a a t c g a t t a c a a g t g a a t c t a a a t g t t g g a a t t c a 300
a a t c c a a t t g t g a a g t c a c a a c t t g t c a t a a a t a c a t t a t g t a a t c g a t t a c a c c a t t g 360
g g g t a a t c g a t t a c c a g t g a a t a g t t t t t g a g a a a g t t a a g a g t t a t a a c t c 413

<210> 8357

<211> 500

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8357

agcttgcttc aaccttgaat aggccttccc agttgttttc tttctttctc gctcagggat 60
 ttttccttgc ttcacctcgg actcgccata ctaagttgcc aggttgaaag gctcgagggt 120
 gaacctttgt attatatctc cttgatgctc ggagcttggt ggcttcttcc ttgattttgg 180
 acatcttttg gacttcgtct tttgtctcta gttccaccag catgttttct tcgttttggt 240
 gttcctagaa caacgggtctc cttgtcgacg gttccctaata ttaaatgggg atcatggcgc 300
 ttgtgtctta tgtgagttgg aaaggatttt tgntgggtatt tatttggggg tgaatagtga 360
 taagcccaca gtatacttgg gagttcctcc ttccatagac ctttggactt gttgtgcgct 420
 tatcaatttt ttgacattta ttgtttaatc gattacccca tgatatagtc tagtaacatt 480
 tattgcgtct atggttttat 500

<210> 8358
 <211> 579
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8358

tgagtaattt gttcttattt cttaccacat agatattggt atgggtggag tatggaatag 60
 gagtgtcaaa ctaatgaatt ggataatttt tttgaattga aatggatagc caatccattt 120
 atgatccatt aataatgtat tgcaaaaatc taatttatcc ataacttatt tcatagaaaa 180
 aggtccatcc attatatttt atttttttca aaacaatatt tttctaaaac aaagtttaat 240
 atttgtacac attcttacac tgaaatacca tagaatccaa tatttgtctc ataaagacct 300
 atgtccaagt aatgaacttg gaactacttg attcactgga ttgcaaaata tgttggatgg 360
 ttcattatct atccaatacc aaatggtaat ccaattcaaa taatgtatta agttttattt 420
 ttataattga atagattgat tgggtgattt atacttgatg gattggactg ttagtggata 480
 aaaagattga attgccacat atngtaatga atactaattt gccatagggt atggaaaaca 540
 tanactgtaa ttgtttttgt actttaggta aaactatat 579

<210> 8359
 <211> 631
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 8359

tcctcggggc cattcctgcg aaggcaaaca ttggttaag ttatttcaca agaaatataa 60
caatcattac aaacaagggc caaacaacac ttctcatggc acgagtgtca acatgcactt 120
tataaaataa tcatattggg gtcattgctat tttatgacac atacgtatatt gcacacataa 180
aaattttgta tgaagcattt tacgacacct atccatgtac atattttttt tgacaaacct 240
tttcatgcta catectatat atatacacac attttttggg aggccttctt tgttacctac 300
tcacaaatac acctattttg aaaaacactt ttacgctacc catccaacac ttgtgaaggc 360
acttcatgct atatatattc atattatgca aggcattttc atgctatata tatccatatt 420
atgcaaggca ttttatgtaa ctctcttgca cgcattttat tcaacatttt gcaaggcatt 480
tccatgctat atatatttac atatatacat accgttgaaa gtatttttca tgctacctan 540
gtgcaaggta ttctcatggg ggcagccaaa tttaaattct aataacacct ctcaacatgt 600
ncaatattca tgcctttttt cattcaaacc a 631

<210> 8360

<211> 587

<212> DNA

<213> Glycine max

<400> 8360

agctttagat gcctttaag tttttaatgc tgaagttag aaacaatgcg gaaaacaaat 60
taagatcgtg agatcagata gaggtgggga gtactatggt agatacacag aggatggacc 120
agcaccaagt tcatttgtga aattttcttca agaacatgag attgttgccc aatacactat 180
gcctggttct tcggatcaga atggtgtggc agaacgaaga aatcgaacct tattagacat 240
ggtgagaagc ataaagagta atgtaaagct tcctcaattt ttgtggattg atgctcttaa 300
gacggctgcg tatatattaa actgagttcc aaccaaggct gtctcaaaga caccttttga 360
gttattcaag gggtggaaac caagtttgcg acatatacgc gtttggggat gcccgctctga 420
agtaagaatt tataatccac aagagaagac actagaccct aagactatta ttgggtatatt 480
cattggatat gtcgaaggc cttaaagggt taagttctat tgtccatccc accacactat 540
gattgtggaa tcaacgaatg caatatttct tgaaaatgac ttgatca 587

<210> 8361

<211> 391
 <212> DNA
 <213> Glycine max

<400> 8361

gcttgagcca acaacctctc taacactgag agacttttca atattttctc acaaggagag 60
 ggatgcagcc ggctttacca accattttct tcatgtctgt ggaactgcaa gcgcagcata 120
 tcgcagccgc aactgcttgc tgagcaccta atgatccgga ctataacaca tgagtcagac 180
 tggggatcaa accgagggaa accaaggatt cctaaggagc taatacaacc agtttctcaa 240
 tgctccaacc acagattcct gaggaagtgg accatcaaga taagccagaa gactcctaac 300
 accaccttgt gatatgacac atattcttac atactcattg cttgcagcga ggttctgcaa 360
 gcactctgca gcatgctctt tggaacctaa c 391

<210> 8362
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 8362

tggactagcc agtgatggaa tgaatccaaa ggcgttttaa tttctctaca cagttcatgg 60
 ccaggctctag aaatttatag tttgcttcct tggctgaaaa tacatgatgt tgtctatgat 120
 gatataaggc ccaagacagc caggaaatga cattgatgtt tatctaagtc cgctgattga 180
 agaccctaac aaagttgtgg gacaaggggg ttttagtggt tgatggggtt tgaaataaga 240
 cttttcaa at gcgtgcaatg cttttttgta ccattaatga ctttcagca tatgggaatt 300
 tgagcgggta ccgt 314

<210> 8363
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8363

tatgctgcat gaattaggcc aaataaatct tcataaatga tagatagtgt gatcattcta 60
 ccagtgcatt aaaggcccat cccaatttat cactctgcac tacttggttac atgtgttaag 120
 ttttcgttta atgagcgtac tataggcaaa ggtgctgaaa ggcgtgccta agccactgag 180

gcatggtgca tgaagctttt tttttctttt ttttaatcat tttatgcctg ctatcttttc 240
aatgagttgt gtctatcaag ttaatagtgt gttgaactta tttatttatg cttggtattg 300
tcgngcatta cagccttcgg acattatttt cttactttca ggttttgtct gtgacattgg 360
atgaatggtc aagtgatgga atagatgcaa tgatttgaaa tggacgaaat tcttctgcta 420
attcaatata tgacgcttat ttt 443

<210> 8364
<211> 362
<212> DNA
<213> Glycine max

<400> 8364

gcatgcaagc ttcaacatca gaccacttcc tgtgtgctgg aactttttca catggacttg 60
atggggccta tgcaagccga aagccttggg ggaaagaggt atgcctatgt tgctgtggat 120
gatttctcca gattcacctg ggtcaacttt atcagagaaa aatcagacgc ctttgaagta 180
ttcaaggagt tgagtctaact atttcaaaga gaaaaagact gtgtgatcaa gagaatcagg 240
agtgaccatg gcagagagtt tgaaaacagc aagcttactg aatactgcac atctgagggc 300
atcactcatg agttctctgc agccattaca ccacagcgaa atggcatatt tgaaaggaaa 360
aa 362

<210> 8365
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8365

tcaacatcag accacttcag ggggctttta ctacttctca tggacttgat ggggcctatg 60
caagtagaaa gccttggngg aaagaggtat gcctatgttg ttgtggatga tttctccaga 120
tttacctggg tcaacttttt cagagagaaa tcagacacct ttgaagtatt caaagagtgt 180
agtctaagac ttcaaagaga aaaaaactgt gtcacaaaga gaattaggag tgaccatggc 240
agagagtttg aaaacggcaa gtttactgaa ttctgcccac ctgaa 285

<210> 8366

<211> 353
 <212> DNA
 <213> Glycine max

<400> 8366

agctttgaat gctctattca atgtgttttg acaagaatat cttcagactg atcaacactt 60
 gcacagtggc caaggatgcy tgggagatcc tgaaaaccac tcatgaagga acctccaagg 120
 taaagatgtc cagactgcaa ctattggcta caaaattcga aaatctgaag atgaaggagg 180
 aagaatgtat tcatgacttc cacatgaaca ttcttgaaat tgccaatgct tgcactgcct 240
 tgggagagaa gatgacagat gaaaagctgg tgagaaagat cctcagatcc ttgcctaaga 300
 gatttgacat gaaagtcact gcaatagagg aggcccaaga catttgcaac atg 353

<210> 8367
 <211> 233
 <212> DNA
 <213> Glycine max

<400> 8367

atcccctact tttgatgatt gtcaagaatt actaatcgtg ctttgaatag atctacactt 60
 ccatcaattt tatgctttat tttgtacacc cacttgaagc caagtgcttt ctttcttaga 120
 ggcaattgtg tgactgttca agttccattg gtttcagggg catgtatcta actttacact 180
 gtatctctcc atcggctatc tttcaccgcy tcagtataag tgacaaaactt ttt 233

<210> 8368
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 8368

agcttgtgtt tcttcacgtc tagtttatga atgtagcata tagatccaaa gacccttagg 60
 tgctttgctg atggcttctt cctgttccaa gcttcaattg gagtcttgct ttttacagac 120
 ttagttggac atctgttgag tatgtaaaca gcagtgtaga ctgcttcagc ccagaatgtg 180
 ttaggtagtc ccttttcctt gagcatcgat ctagccatct ccataactgt gtgattcttt 240
 ctctcgggca ctccattttg ttgaggagaa tatgcaattg taagttgtct ctcaatgcct 300
 tcatcctcac aaaatctttc aaactcgcga gaggtgtact ctttg 345

<210> 8369
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 8369

agctttacta ggcttgagct cggtttgagt tgaatatgca aggcttgagc ttgactcatt 60
 acctatcata ggcttttttta aaggctcgac ttggcttaca taaaagcctg gcttggccta 120
 cgagcctatt taaaagcttg cttaaagatg tttttgatca attaattatt ttaaacctag 180
 tgaaatacta actaaaaaaaa cttataaaat ttcataataag taatgtacaa atccaaaaat 240
 aattgataaa taaaatcata ttgaattcaa gtcgttaaaa tacaaagtat atcaaaaagaa 300
 aatgaaaaaa cagagcataa tattaaaaaa tgtatggatt ataga 345

<210> 8370
 <211> 310
 <212> DNA
 <213> Glycine max

<400> 8370

tgtaccggtt gacaatgggtt tcagagtttag atgggtgtggg attgaacaag caacaattca 60
 ccacaagaat ccaatgtctt tggcttcaac accggttttc tccaagagct cgtcgacggc 120
 cccgaagagc accgtgtccg tctccttctt tgctctctcc aacgttagtc tgggagggat 180
 ctccaggaga ccctccggga catacgtcca cggccccaac ccggaccggt caagaatctt 240
 gttcacaagc ttgtagttct cgtcggagag gaaaccgacg cgtttcgccc ggtcgagcaa 300
 catttccttg 310

<210> 8371
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 8371

agcttgcaaa cccatggaag ctcttaatat ctcccacact ttttgggggtg ggccattctt 60
 ggatggcctt gattttctca aggtccactt ggacccatt tctaccaact ataaacccta 120
 acaaaactat attatctata caaaaggtag acttctctat atttgcatag aggggtgtttt 180

tcctaaggac tgaaagaact tgcctgagat gtcctaagtg atcatctacg ctctactgt 240
 aactaaaa atcattaaaa taaacaacta caaatatacc tatgaaatcc cttaagacat 300
 gatgcataag cctcataaag gtgtttggtg cattagttag cccaaa 346

<210> 8372
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 8372

agcttcgtgg aatgcttttt agataaaata actcgctcta aaataatcta ctattggtag 60
 atttaatcta ttataagtac ataccctatt tttctctatt ctactgactt atttaatata 120
 tattgcgata acatataaat gtataaaaaa atattcttgg atgccttaat tgctttaatt 180
 tatgtcatatc aaataaataa atttcttcaa ttacttaaat ataattataa atttggtttt 240
 tcgatgaaat gtgaatattc tcacaaacgt ttggcccata tcacttatcg ggttaattta 300
 tgatctgtgt cataactaaa gttttttacc tctt 334

<210> 8373
 <211> 304
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8373

ttgaaggttc tgaggattat gaatgctggt aatacacttc caaggcatgc aacacctact 60
 gtgagcnnat ggaataattc atgaggtaac gacaccttat acaacacaac ataatggctt 120
 ggcagaacga agaaatagaa ctatccttgg catggcaatg agcatgttga agtagaagaa 180
 gctacctcat tcattctggg gaaaagtgtg gagcacaaca acttatctgg tgaatagatg 240
 tcctactaag agattgaaag agaaagtccc aaaaaagggtt tggctctggaa gaaagccatt 300
 gggt 304

<210> 8374
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 8374

agcttatagc cccgagagca tttgtgttag ccaacaattt agccgcta at tgttcttgaa 60
tccatatttc tttcatgagg cctataaggt tatgcctcag tcggacaacc ccaa atatgc 120
aagtgtttaa tgctgggctt tttgtcagtc caaagttcat aaggggtttt gttaactgct 180
ttacttgga cctattaag gatgtaagtt gtggctctta aggctcctct ccaaagcgac 240
tctggcaaag aagaatgact aaccatactt ctcaccatat ccttaagagt ttggtttcat 300
cgttctgcta caccattcat gctaagtatt cctgacatac tgtattgtgg aacaa 355

<210> 8375
<211> 317
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8375

taagctcctt caactgcaca aagctcttta tgtttttaga gtatccttgt ggaaccttca 60
cccgacgaag actctgncaa aacttatctt ctcctttttg gacaaggat ggcaagctag 120
gggcaagtaa attttcttcc cattagacct tggatgcaac tgtgatcgta tgcccatatc 180
agctagatct tgacaggat tgaagccatc cttcatcttg ccttgaatgt taaggagagt 240
cccaatcaca ctatcacaaa catttttctc cacatgcata acatcaatac aatgtctaac 300
atcaagatca gatcagt 317

<210> 8376
<211> 368
<212> DNA
<213> Glycine max
<400> 8376

agctttgagc aaattcaa ac gagattaaat tttgactcgg atgtccgatt gagccctgta 60
atatatcgag acgctcgtaa ttgaaaactg aagctttgag caaattcaaa cgagaataaa 120
ttttgactcg gatgtccgat tgagccgtaa tatatcgaaa cgctcgtaat agaaaacgaa 180
agcacgtagc aaattcaa ac cacaataaat tttaactcgg atgttcgatt gagttctata 240
atatatcgag acattgaaa ttgaaaacag aagctctgag caaattcaaa cgacaataac 300
tttttactcg gaggtccgaa tgaatcccgt aatatatcta gaatctcgta attgaaaaag 360

<210> 8377
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 8377

agcttgatca aaacaattat ctattcattc caatccactc aaatcataca attgcttatt 60
 caaatcattc tcaaacattc atttcatgca aaacaatcca ctgcatatca ttttcaatca 120
 attcactatt caaacacgct ttaggtacaa gcaaacaact caaagtgctg aaattttaaatt 180
 aactgaaatt aaaataactg aaatatgaca acgaaatcag ctggaaatat aagggtgttta 240
 accttcacca aaacatcttc aatgactcca tatggccttg tgatggagcg gtcaactaac 300
 tggagggtca tgcgtgtggg cattatctct atctctccaa gtcgctggc 349

<210> 8378
 <211> 309
 <212> DNA
 <213> Glycine max

<400> 8378

tcaatggctc aatgagcatt gggaaatatt tgtcaatcaa caagtaaaga tacccttttc 60
 tataagagac tctgtgatga agttttatgt gatataatcc ctatggaagt agagcacatt 120
 ttgttgggta gaccgtggca atttgacaag aaagcaatcc acaatgggtct caccaatgaa 180
 ataaccctca cccatggaag caaaaagttt aaacttgttt ccttgacacc ttcacaagtg 240
 gttgtggatc aagtacgaat aaaaatcaaa tgggatgagg aaaagaatag aaaaataaaa 300
 gaagaacat 309

<210> 8379
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 8379

ttcgagtaat acaaatgggtt ataacttttc aactgagct ccgattcagg cttacaatat 60
 attgagacgc tcaaattaaa catcggaagc tctcgagaaa ttcaaatggt cataacattt 120

cacccggatg tcctatccag gcgcatacaca tatagagacg tacaaaaatta tacaacggaa 180
gctttcaaga aattcaattg gtcataactt ttcaaactga ggtccgattc aggcttataa 240
tatatctggg cgctcgaaat tcaacagcga aagctcttga gaaattcaaa tggtcataac 300
ttttaactca ga 312

<210> 8380
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8380

agcttttcac cagcagtggc agatccttca agatcctcag aggagagggg atatgaggtg 60
gtgttgaaac aagccgcact ggtcaaggag aagaataagg gcaccaagaa agcactgaat 120
ttacacaaac caacaggtga aggtgattta acccatgggg atctgttgag tgctgcttat 180
gatangtgtg gtgaagtctg tgctgaatat gccaaagacat tntatcttgg tactctctct 240
ctgtcctgtt ttaggcctta ttgtttttct taatcatttt cccttgatcc aatgagtttt 300
tgcgcatctt tttaaagctc attataatat c 331

<210> 8381
<211> 356
<212> DNA
<213> Glycine max

<400> 8381

agctttatgc acctttgagc ggttttcttc tactcagttg tatccagtgt ttcttctaata 60
gctcattaag aaacgaaatg caaaatgtct taatctcatt attggttaag agaaattcta 120
tctttgtgct ttcattcttc attcttccca ttattttttt ggaaaaaatg tgtgttggtc 180
tgatcggttt ggggctttgt ttctttacca tgcgtgcttg cattttagtg aaagttttca 240
gaaacttcaa ggtcttcagt cttttacatt cacaagaatt caatgtcttc tgccttttac 300
atttcaaata cttaaagtc ttttatctta tacatttaca agacttcaat gtcttt 356

<210> 8382
<211> 358
<212> DNA
<213> Glycine max

<400> 8382

agcttttggg gaggaattta gggtttcaaa tcctacatta gagactgaca cggttatgga 60
agttatttgc tggttttgaa atgcttgata tctataatgg gtattttatg attaaatttg 120
atatgtagga agacggaaca aaagtgatga aggagggcct ctggatgggc tttgatcact 180
atctcacggt caaaacatgg aatccagact ttagctcccc ggcggaaaaa actaacaaaa 240
ccctgggtatg gatacgttat catgaacctt gtttattatg acgaaagtat tcttttggca 300
ttggcatcag cagtaggaca ccctatcaaa gttgataaca atatgaaaga ttttcgga 358

<210> 8383

<211> 312

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8383

gtcagcttct agatatatta tgcgcctttt cattcttccg tttcaaaagt tatggccata 60
tgaatttctc gagagcntcg ttgctcaatt tcgagcgtct cgatatagtc tgcgcgttaa 120
tcggacttcc gtgtgacaag ttatgaccat ttgaatttct cgagggcttc cgtttttcaa 180
tttcaagctt ctcgatatat tatgcgcctg aatcagactt tcggttacaa aagttttgac 240
catatgaatt tctagagagc ctgccttggt caatttcaag cgtcctgata tatcatgcgc 300
ctgaatcgga ct 312

<210> 8384

<211> 333

<212> DNA

<213> Glycine max

<400> 8384

agcttcttgt atatattatg cgcttgaatc ggacttccgt gtgaaaagtt atgaccattg 60
taatttctcg agagctgtcg atgtttagtt tcgagcatct ggatatatta tgtgcctgaa 120
tcggacatcc gtttgacaag ttatgaccat ttgaatttat cgacaccata cgttgttcaa 180
tttcgagcgt ctcgatatat tatgcgcctg aatcggactt ccgtgtgaaa tgttatgacc 240
attttagttt ctgcgcagct tccgttggtc aatttcaagc ttctcgatat attatgtggc 300

<210> 8385
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 8385

tctggtggga catcttgact tgctttccta tctgacattc accacagatt ctgccttctt 60
 ctattttcag atgggaatgc ctctaacagc acctttgtca atgattttct tcatgcctct 120
 taagtgcaga tgtccaaatc tttgatgcc aattttgact tcatcttctt tggagaatag 180
 acatgtggag gagtaactgg tttcttgagg tgtccatagg taacagatgt cctttgatct 240
 gctgcccttc attaggactt cactcttctc atttgtcacc aagcattctg actttgtgaa 300
 gtttacattg aa 312

<210> 8386
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 8386

ttgagcaaat tcgaactaca attactttta acttggatgt ctgattgagt cccgtaatat 60
 atcgagactt cgaaattgaa tgttgatggc cgttgcaaat tgaaacgaca ataacttttt 120
 actctgatgt ctgattgagt cccgtaatat atcgagacgc tcgaaattga atcttgatgc 180
 tctgagcaaa ttcaaacgac aataactttt tactcggatg tctgattgag tcctgtaata 240
 tatcgagacg ctcgaaattt aatacgaaag ctatgagcaa attcaaacga caataatttt 300
 ttac 304

<210> 8387
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 8387

agcttcataa ttcaatttcg cgcgtctcaa tagattacgg gactcaatca gacatccaag 60
 caaaacatta ttgtcgtttg aattagctca gagcttcaga attcaatttc gatgggtctcg 120

atatattacg ggtctcaatc agacatctga gtaaaaaagt tattatcggt tgaatttgct 180
gagagcttca acattcaatt tcgagcgtct cgatgtatta cgggacttaa tcagacatcc 240
gagtaaaaag ttatcgtcgt ttgaatttgg tcagagcttc aacattcagt ttagagcgtc 300
tcgatatatt acgggactca atcagaca 328

<210> 8388
<211> 310
<212> DNA
<213> Glycine max

<400> 8388

tatgctgcaa acatttacat tagaccttct caacctcagc agcaaatca accacaacag 60
aacaattatg actctctagc aacagatata accctggatg gaggaatcac cctaattctca 120
gatggcttag cccttagcaa caacaacagc agcctgctcc ttccttccaa aatgctgctg 180
gcctaagcag accatacatt cctcctccaa tccaacaata gcaacagccc cagaaacgac 240
caacagttga ggctcctccg caaccttccc tcgaagaact tgtgaggcaa atgaccatgc 300
agaacatgca 310

<210> 8389
<211> 354
<212> DNA
<213> Glycine max

<400> 8389

agcttttaggt tcaatggctc cgatcacatc tatgccttat atagaaaaca accaaggtgc 60
taccaagacg ttcaaaggta tgggtggagc attaacatta ttagcgaagg cttggcactt 120
atggcatttc ttcacatgga tgcaacaatc actctccata gtgagccagt aataccttgc 180
tctcagaatt tttcgggcca tggcatgtac attatcatgc gttccaaagg atccctcatg 240
tacctccacc agcatttgct cagcctctct ggcatccaca catcgaagca gtaccatgtc 300
atggttcctc ttgtatagga tattcccact caagaagaaa ccggccgcca actt 354

<210> 8390
<211> 360
<212> DNA
<213> Glycine max

<400> 8390

agcttgcttg cctctagttg acatttgtgc ggataactat taggtatctt cgcattgccac 60
ctgactcacg ggttgggggtg acagaactgt ggggtggttg acaaaagcgg gacttttgct 120
cctacatatc ttcaattgcg agaactacata gttcttcaat ttttgtgtga gactacaaat 180
agtctcaatg ttattttact aaaatgcgaa catgctaaca tgcttttagca aagaaacaaa 240
ccttcaactg atcaaggcaa catatatattt tttgaataaa aacaatgcgt ctattggaga 300
aggaaagtat gctaataaaa ttttctcata accacaaatg agattttgga tgtttagcatt 360

<210> 8391

<211> 309

<212> DNA

<213> Glycine max

<400> 8391

tttttagttta taaaaaaata tagaaaattt cttaaagat atgctaaaca tagtcaatat 60
ttaatgaaaa atatgaagta tatgatatat ttgaaggaaa gcaaagtgat aataaacaaa 120
tgtttgaaca ttaaataatt attggaacaa ctcatttaat tttaggttat gtgaatgtac 180
cgaataataa acatgaagat agaaattgtg acctcatata ttgggattga aactcatatt 240
ttaagatgat atcatatctc atcctagtaa ttattgttag gtctattgtg ttgtctattg 300
tcggggttat 309

<210> 8392

<211> 311

<212> DNA

<213> Glycine max

<400> 8392

tattgagagt gtaacaatct attctaatag catctgccca aagggtttt tgtaggtttg 60
tccattcac aaagttctag cgcttcttc aagagatcta ttttctttt ccacaacatc 120
attttgttga ggtgttctcg gggcagaaaa attgtggtga attccatttt cttcacaaaa 180
cttttcaaaa tactcatttt gaaattcacc tccatgatca cttctaattg aaataatact 240
aagacctttc tcattttgaa taactttggc aagtttgtga aaagcatcaa aagcatcatt 300
tttggttctc a 311

<210> 8393
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8393

agcttctgtt ctaaatttcg agcttctcga tatactatgg gacacaatca gacatccgag 60
 taaaaagtta ttgtcgtttg attttgctca gagcttttgt tctaaatttc gagcgctcgc 120
 atatactgtg ggacacaatc ggacatccga gtaaaaagtt attgtcgttt gattttgctc 180
 agagcttctg ttctgaattt cgggcgtctc gatatactac gggacacaat cggacatcag 240
 agtaaaaagn tattgttggt tgattttgct cagagcttct gttctaaatt ttgagcgtct 300
 cgacatacta cgggacacaa tcggacatcc gagtaaaaag 340

<210> 8394
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8394

tgcacagaga ggccacttaa tctccttcat agtccccaaa agaactactaa ccaaactaca 60
 acacctnaac ttcacctca cctcatcacc ttgtcccca tctactgttcc tcgagttgat 120
 ggtcttcctc aagatgctga aaccacttca gacataccct tctctttgtt cccacttctc 180
 gccacggctt tggaccgcac cgagaaagac atcgaacttc tcctaaggga actgaaacca 240
 caatttgttt tcttcgattt ccaacattgg ctgcccaacc tgactcgaag cctaggcatc 300
 aagagtgtc 309

<210> 8395
 <211> 261
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8395

aacaaaactt acctttcncc cttttattga agatataaaa aacaccacct atatcccaaa 60
 aaataatcat ctgaaaaata atgaagtttg aaataaatga aaaatcacta atttccttag 120

aaataaagaa caaattcata tcaagaaaac tggaaattgc aaccaacagt aaccccaatg 180
 aacctaagaa gtagaaatgg cccaaaagat gtgcttgctc tttgaacctc catcatagag 240
 tatatgacta cattgtgtga g 261

<210> 8396
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 8396

agcttcttac aaagcatacg gctttctgga tgtagatgat gatattcata cagatggatc 60
 ttatatatct atatatctat agatagatat atagatatag atatatagat atagatcata 120
 caatgaagta ccgcacgagt gggatatatag gaatccaaat ctgccgaatc actcatgtta 180
 tgatcttcta catcctaggt cttcccgttc cttcatctgg cttatgttct tcatgtagca 240
 ttcagactga atgactctat gaaattacgt cgctacttcc acatgggtacg ggtaacgtag 300
 gagacatctc tatttttccc ggggggaatc cttagaatta ccacagctta gctttcaatt 360
 cg 362

<210> 8397
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 8397

agcttaatat acatattaat atattaaaat atttcaattt taatatagaa agagtgatag 60
 taaaatacaa atatagacac aaagacacac aaacatgata gtacttgtat ttcccctagt 120
 taattaataa aagtaaaaga gaacaaatga attagttaca tgaacataat ttgagagtgg 180
 ttacacatg agcaattgag ggcaagaaga atagttggta ttttactaat tatttagggg 240
 caaatcagt caaataaagc atacaccata tgagtaattt ccattattaa tagttataga 300
 taattgaatt taaaataatt ttgaaacact gatttcacga ttaatagtgt ggggtgttgtt 360
 acac 364

<210> 8398
 <211> 310

<212> DNA
 <213> Glycine max
 <400> 8398

ttattggctt aacttgatct ttaactcctt gtttggccca atgccaacta gcttaacttc 60
 tctcacctac tatctcttca acacaataac ctcttgggct ctattcctaa ctcatggggt 120
 ggtagcttga aaaataactt ctttcgggtt tgaaaaatga tcatagatca taacttgtcg 180
 agtgggaagca ttcttgcttc tttgggtggc ttgagtgaac tcagagagat ttatcttagt 240
 cataaccaat ttagaggagt tatcccaaat gaaataggaa acctttctag acttaaaact 300
 ctagattttt 310

<210> 8399
 <211> 340
 <212> DNA
 <213> Glycine max
 <400> 8399

agcttccatc aagtgtgttt catatttcaa taacaattgt ggattatatg gcacaacaaa 60
 tcgattatca agttcaatac catttttagc actgtacgcc catcatttct tctcctataa 120
 attggaaatc catcttggtc aacaattggt gatccatgga attttttaag gaaatatcta 180
 atacacttcc cattgaccat acacagtgat cttttatttg caaaccacaa tgggtccatga 240
 atcatatggc tggagactat ttcaaataat tcgggatggc tgtgtttggt tggattttct 300
 gctaaaatga tgcgatcaat atcctctgga tttgatatt 340

<210> 8400
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8400

gcaagttatt agtttgagtt aaaaattaaa aggttggaat cttaccttnc atatcaatgt 60
 catctttata taaagataga ggtagggaca aaatataaaa aatgggcaaa tataactagt 120
 aactaggata agataagaan ntaaataagt atttattcct ttaanttatt ttntagaatt 180
 aattttgact tttaaaatta aattataaga acatcatatt tatcacaatt taaaattgggt 240

acttaaaatg atttanatta tcataaaata tatattnttt taaaataatt aatattaaaa 300
 attagatgac 310

<210> 8401
 <211> 268
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8401

agtgaatta ttttcttagt ggtatatgta gatgacatat ttactaattg gaaatgacat 60
 accaacattg caaggcacia agaattgggct atcataacia ttcttcatga aggatntgng 120
 agaagcagtc tatattctat gtataaagaa ttatagagat agatataaaa nggtgctttg 180
 gactctccaa tctatgtaca ttgatactat cttaaagaga tataacatgg ataatccaat 240
 gagctatttc tgtngtgtgg aatactct 268

<210> 8402
 <211> 285
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8402

tcttagcacc tgcggctgca gcttgggtctt gtgaactgca tgtctgcttg ncatttgcta 60
 caagtcttca gggaagggtgt ggagngccta actgtggctg ttctgggcta tgctgttgtg 120
 gattggggag gaatgcatgg tctgcttggc catcaacatt ttggaaggaa tgagcatgct 180
 gctgttgttg ctgctgaggg ctgcaccatc tgagattagg gtgattcctc catccagggt 240
 tgtatctgtt gctggagagg tcataattgt tctgctgtag gtgat 285

<210> 8403
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8403

atagaagact ccaagaagat tnggccagag aagcaagaga agaccctang atttctcatga 60
 gtcttanggt agatttcggg cccatgggct aagtatgagc ccacttatct ttgtacatat 120

tagaataatg tttcattant tttgggactn ttattttangg ctccataatg taggtagggg 180
 accctagaaa tgtangattt ttcggccctt gtatttttang gaacctagac tagttttttg 240
 tattatgggt agtntgttaa tttcacatgc attaatgaa tatttgatgt gtgtgtnggg 300
 gaaataaatt aatta 315

<210> 8404
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8404

ctgctggctg atcattagaa ctaatgaact cagtgacaat ctncctggac agaagcttct 60
 cctaaatgaa atgacaatca acctctatgt gcttagtcct ttcataaag actangtttg 120
 aggcaatatg aagaacaacc taattatcac agtacaactt catttgcaac tcttcacaga 180
 acctcattc ttgcagaaat tgtaaatcca gatgagttca caagaaccat agcatagatc 240
 gatattaact tctgattgga ctgacaacaa catttgttct tgctttcaaa gataagattc 300
 ctcaatgaaa cacataactg atgcgatctc tatcatggac agtcagccat cacatacata 360
 tctcatagtg cgtataccct ngcttcatac acatctt 397

<210> 8405
 <211> 234
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8405

agtctattct gcaaatacta gttntgaatc tctgctggag tcaactactg cctgtgctaa 60
 gccttctcca cagtctgggt gcattgctaa caagctctgc attcgatagc tcagtgtgtt 120
 gctgttctat gctngctgc ttgtgatcag aagtgtcatc tacagtgcaa tgctcactga 180
 cattctcaag gatgacagca gttctaactt cgtaagcttt ctcttcagta tttc 234

<210> 8406
 <211> 347
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 8406

tcttcaggtt cgaagacaac cttctttctt ctttttgtgg cttgggttagc ataactntta 60
tntctcctct ncaattgatt tttcactctc tcatgaaact tcttcacata gtccgccttt 120
gcttgagctt ctttatactt aanaacagaa acattatgca taggcaaaaag atcaagaagg 180
agtagtgagg taaaaccatt aacaacttca aaaggagaaa caatagtggg gctatgaaca 240
actctattgt aagcaaaatc aacatggagg taaacaacct tccaagttt taagttcttc 300
ttanaactgg ccctaagcaa agtcccaatg tccctataac aacttcc 347

<210> 8407
<211> 139
<212> DNA
<213> Glycine max

<400> 8407
gatgcatggg agatcctgac aaccactcat gaaggaacct ccaaagtga gatgtccaga 60
atgcaactat tggctacaaa attcgaaaat ctgaagatga aggaggaaga gtgtattcat 120
gacttccaca tgaacattc 139

<210> 8408
<211> 253
<212> DNA
<213> Glycine max

<400> 8408
tatcacatga tcgagaagaa caacacatgg gagttagtaa atcgctcctca tggaacagat 60
atcatagggtg ttaagtgggt ctataagaca caactcaacc ctgatggcac catacagaaa 120
cacaaggcga ggctagtatc taacgggttac tcacagccac ccagaataga ctacaatgag 180
acattggcac caatagctca tcttgatacc ataagagctc taatagctct tgcgtcacia 240
agaggatgga gta 253

<210> 8409
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8409

agtttctgac tatgctcttg tgatgtgtaa catgcttcan naagagagag caagaaatga 60
agagccaatg gttaatacat gggcagagat gaaaaggatt atgaggaagc ggtatatgcc 120
aactagttac tcaaggggaat tgaaattcaa gctccanaaa ctaaccaag gcaacaaggg 180
ggttgaggag tatttcaagg aatggatgt gctcatgatt caagcaaaga ttgaagaaga 240
tgaagaggta actatggctc gattcttaat ggttgactaa tgatgttngt gaatattgtg 300
agctac 306

<210> 8410
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8410

gaaaaaaaaa tgggcattta cctgggggtga aaagcaagag caagcctttg ctttgctcaa 60
agaaaagctt actaaggcac ctgttctaac tcttctgac ttttctaaaa cttttgagct 120
agaatgtgat gcctctggag tgggagttaa agctgtattg ttacaagggtg ggcaccctat 180
tgcttatttt agtgaaaaac atcatagtgc caccctcaac taccacacct atgataaaga 240
gctttatgcc ttaataagag ccctccaaac ttgggaacat tacctaattt ccaaggaatt 300
tgtcattcct agtgatcatc aatcacttaa gtacattaga tggcaaagca agttaaacia 360
gaggcatgca taatgggtag agtacctaga ccaatttcca tatgttatca aatacaaaaa 420
agganaaaca catgtggtag ttgatgcctt 450

<210> 8411
<211> 327
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8411

tcatgaggaa atgagaacct tanaaactac ttagcattt ctttttattg gaactaataa 60
tcttaataga cttttaggat agtgtagaag ttccttgac aaatctagaa atggatattg 120
ttagtgctta gctctactga gttttaaaag attggctaag attttgtaa aacataagca 180

cttagacaat gaaagaaagc tggagttgct gcacatgatg tccaacgtta tgtcaaggaa 240
 taagatcggg ctgcacaatg cacaaggcaa gataaaatgt caaatgaaga attgaagctg 300
 cagaatccac gatgtcggat acaatgt 327

<210> 8412
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8412

tgccttgccc cttgatatat ttgagggact catgtgtcat ttatgaatga caanatttcc 60
 ttgggataaa ggtagtggtg ccatgttttc aaagcacgta ctaaggcata caactcctta 120
 tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180
 tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240
 aaagattttt gaaagtttgg caatgcaagt atgggggcat tagtttagctt ttgcttaaga 300
 acattgaaag cttcttcttg tttctctccc catttgaaaa ccaacatttt tcttgagcac 360
 t 361

<210> 8413
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8413

aatactcagc tcgcatacaa gattctactt gcctggcact tcaaaacctt cagtgtgtgt 60
 catatagang nctacctgta aatcccatg caagaatgca gttgtaacat ctaactgctc 120
 caagggaaga ttctctgcag ctactatgct cagaataact ctgatggtac tcatctttac 180
 aactggagag aagatctctg tgaaatcaat tccttgtttc tgctgaaacc ctttcaccac 240
 aagtgtcgcc ttgcatcttc ttcttccgtc acattcttcc tttagcctat agaccacct 300
 attctgtaat gccttctttc cttctggcca ttaagtgcaa gaccacgtct tattcttctg 360
 aaggaagtca tcttattctt cattgctagc ttccacctca atagtgtcat tcccctgtgt 420
 agcctccatg aaacattc 438

<210> 8414
 <211> 337
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8414

 gtcacctgcc gcatgcagct tgacgttaat ctcaaatgg caaagacatg accttgngtt 60
 tgtttaccaa ggatgtcata caaagatgaa acaaattaaa acctcttttt caagcaaaaa 120
 ctttgtttcc tcaagaccac ttgaactatt acatattgat ctgtttggct acaatgaatg 180
 actacattag atggacatgg gtaatgttcc ttgctcataa gaatgagttc tttgaggtat 240
 tctttataat ttataaaaaga gcttaaaatg aaaaaaaagt ctgcgttact tcaattagaa 300
 gtgatcatgg tggagagttt tgaaatgaga acttttt 337

<210> 8415
 <211> 480
 <212> DNA
 <213> Glycine max

 <400> 8415

 tccttgagaa aattcctaaa gaagctagag cttttctttt cacacctctc taatagctaa 60
 gtcacctcc ttgagatgag aagctagagc ttagctacac accccctata atagctaagc 120
 tcacccccat gacaaaatac atgaaaatac aaaaaagtcc ctactacaaa gactactcaa 180
 aatgcctcga aatacaaggc taaaacccta tactactaga atggccgaaa tacaaggcct 240
 aaacaāagg taaaatctatt ctaatattta caaagataag caggctcata cttagcccat 300
 gggctcgaaa tctaccttaa ggctcatgag aaccctaggg ccttccttg gatctctggc 360
 caatctactt ggagtcttct atccaatgcc cttgcgggat atgattggat cattcctccc 420
 ttcttctcat tctctctatt tgggtcacgc tttttttgt cccagcagga tgatcgaatt 480

<210> 8416
 <211> 402
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8416

ctattaaact aagcttatca tctttgataa ggatgcccc atgctgattg tttttntaca 60
cattagctca aatgggggtgt ccaataggtg cctgaatgat aagggtgtag tcaccgcacg 120
cttgaggcaa tcaaaagcct ctttgcaccg gtcacaaaa tcaaaactcca cctcctgttg 180
cacagattgg acagtggaaa ggccactttg ctaaaatctt tgataaagca cctataaaac 240
cctgcatgac caagaaaaga acgaacttct tgcacgcaa aggggtaaa caattgtgaa 300
ataacatcta tttttgcagg gtctacctct atgtccctac tggaaatgat atgcactaaa 360
actattcctt tgtctaccat gaagtgcacat ttttcaaaat tc 402

<210> 8417
<211> 274
<212> DNA
<213> Glycine max

<400> 8417
cagatataat ccacggtgga gtaatcatcc aaatgtaaga aggacaagtc ctccacaaca 60
acaacagcct gtgccttcct ttcaaaatgc tgggtggcca agcaagccat tgttcctcct 120
tcaatacagc agcaggaaca acaacaacag tcacaacaaa gacaacaagc cactgaggct 180
tctcctacac cttccttaaa agagttagtg aggcaaatga ccatccagaa tatgcaattt 240
cagcaagaga ccagagcctt cattcagagt ctca 274

<210> 8418
<211> 431
<212> DNA
<213> Glycine max

<400> 8418
tgaccaggaa ttacttgat ggggtggatg ttgaattctg tttgttcctg gtgcggagat 60
gatggtacag cgggtgaacc agaagcggaa atttcttttg gtgaggtagc catggaaaag 120
cagagcgttt ggaatgattt cgtaaacttc agaaggctat tgggaaatgc tggtaaaaac 180
acgaatgcca agcagatata aatttgaatg aagaatgtag aggggcgtgt gaagcaacgg 240
tcgaattcgt tttggcttaa tagtgaacgt gctattaatg ttaagtgatt cgtttgggca 300
cgttcaaatt gctgtagttg ctataattcc tctagcaaac aaatgccag cttgcccctc 360
agtttttcaa actgatttgc atgcaaagcc tttgtgaaaa tatctgctat ttgttcctca 420

<210> 8419
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8419

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 agcgctcgag aaaatcgaag ggccataact cttcacacgg atgtcccgat cgggcgcata 120
 atatgtcgag acgctcgaaa atgaacaaca gaagctctcg agaaagtcca atggtcataa 180
 ctttccactc ggaggaccga atcaggcgca taatatact atacgctcga aattgaacaa 240

<210> 8420
 <211> 264
 <212> DNA
 <213> Glycine max
 <400> 8420

agaaactaga acttatctac cccgccccta taataactaa gctcaccct atgccaaaaa 60
 aaacatgaaa atacaaaaaa aaagtcctta ctacaaagat tactcaaaat gccccgaaat 120
 acaaggctaa aaacctatac tactagaatg gccaaaatac aaagcctaaa cgaaggaaaa 180
 acctattcta atatttacia agagaagtgg gctcactatt agcccatggg ctcgaaatct 240
 accctaaggc tcatgagaac ccta 264

<210> 8421
 <211> 281
 <212> DNA
 <213> Glycine max
 <400> 8421

acgacaataa ctttctactc cgatgtctga ctgagtccea taatacatcg agacgctcga 60
 aattgaatgt tgaagctctc agcaaattta aacgacaata actcttttac tcatatgtcg 120
 gattgagtc cgtaatatat ctatgatgc gaaattgaat tctgaagctc taagcgaatc 180
 caaacgacaa taactttttg ctcggatgtc cgatcgagtc ccgtaatcta atgagacgct 240

caaaatagga atctgaacct gcgagctaatt tcagacgaca a

281

<210> 8422
<211> 252
<212> DNA
<213> Glycine max

<400> 8422

agcttctgtc cctgagaaac tggttcccag atgacatagt ggagttgaag atgctgaaaa 60
ccctagcctt gcaacaagtc ctagggaagt agacacggag atggacaaga aaatccgcag 120
tattgtgagt agcatttttaa aagacgcctc tgtttctgaa gctgatgaag atgttccaac 180
atcttccacc ccgaatgttt gtgtgcccga tgctaaaaaa tatggggcaa catcttaccg 240
cccaagtgtc ga 252

<210> 8423
<211> 267
<212> DNA
<213> Glycine max

<400> 8423

tgaatggttc gttcagtctg accatctgtt tgaggatgat aagctgaact aagcttcagc 60
tttgtcccca aggcttcatg tagactcgtc caaaatcgcg aagtgaacct cggatccctg 120
tcagatacaa tactagaagg aattccatgc aaccttacta cttccttgat gtacaactcc 180
acgagtttct ccattctata cttcatattc actgggataa aatgagcaga tttggtgagt 240
cgatctacta tgaccacac agcatca 267

<210> 8424
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8424

tgagcctttt gtaaattggcg acataaagta gcatgttaat tgttttgtgn aaccaacaag 60
tcatcaacta cttctgcctg aaaggtaccc tanaggtact ggggtattga cgatgggagc 120
ttcccataag tggcttcgga tattgaaata ccagtgtca aatgaaccaa agtattgtat 180
gaccactccg taataggaag atacttgaac cactatgatg gtcgatcatg gacaaacgaa 240

tggaagtatt gctctaaaac atggttgagg acctccatct gtctatcgat ttgggggatga 300
taggcagtgc tcatccatag ctctgtccca cataagcgaa agagtttccg ccaaaaggca 360
ctta 364

<210> 8425
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8425

agcttttgac ggactatacc aagctcnatg actcgttatt gagaaagatc tatatatagg 60
cttgctaagg atagagagag gaagactaca gatttggatc aagtaaagtg tgtaaggat 120
gaagaaagca aagtcttagt gcatgaaaaa gatattaagg aaaggtggaa ggcgtatttc 180
cacaacttat ttaatgatgg atatggatat gactctagta gtctagacac aagagaagag 240
gaccggaact ataagtacta tcgtcggatt cagaaacagg aagtgaagga agcgttgaaa 300
agaatgagta atggtaaggc ggtggtgccca gacaacatac ctattgaagt g 351

<210> 8426
<211> 291
<212> DNA
<213> Glycine max

<400> 8426

agcttgcaaa tctattttta atccatgccc ataaataaaa taaaatctag ataagataag 60
ataagataag atctagatga aatcaaactt agataagata agataagata agatctagat 120
gaaataatat ctagatgaga tcaaactctag ataagataag atctaaatga aataatatct 180
agatgagatc aaatctaaat aatatataaa tgagataaaa tctagataag ataagatttg 240
gtagaataaa atagtctact ctctccaagt ccaagcccaa ttctggattc a 291

<210> 8427
<211> 282
<212> DNA
<213> Glycine max

<400> 8427

agctttcaac taaatttaca atgttcta atcaatttcaaa atggtgtaat cgattacaat 60
atattggttaa tcgattacca gtgtgtttga acgttgaaat tcaaattcaa atgtgaagaa 120
tcacatcctt tcacaaaaat gctttgtgta atcgattaca atgatttggg aatcgattac 180
caatgataag ttttgaacaa aaatcaaaaag atgtaaatct tccaaagggt ttcaagtttt 240
tttaaagggt ataactcttc taatgggttt cttgactaga ca 282

<210> 8428
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8428

ttgatctacc accaccaccg ccaccatcat cttagttttc tattattttt aatattacta 60
gtactttgtt ttctagtcgt gtatttagct atattatgac atttggataa tttagttatt 120
ctttatttgc atggtttgat tgaacaatta tgaattatgt tatatgacta tgtgattttt 180
atatatttga tctattcatg tttcttgctt catgattggg ttatattctt caatgtatgt 240
cttgtgaatg attaatagta tatggttggt ttatacttgt tacgcacttt ggctttntgt 300
tgatgccaaa gggggagaga aataggaatt aaatcaagaa ctcacataag taatcaactt 360
a 361

<210> 8429
<211> 344
<212> DNA
<213> Glycine max

<400> 8429

cttgatgcaa catttggaga ggttaatgaa acaacgagat gatgcgctcc atgagagggt 60
ggatcaaag gagaatagag atcataatga agaagaaagg aggagaagat ggaatgatgg 120
tgttcttaga caaaaccgaa ttgatggtat taaactcaac attcctccat ttaaaggaaa 180
gaatgatccg gaggcctact tggagtggga gatgaaaata aagcttggtt tctcatgcaa 240
caactatgag gaggaccaga aggtgaagct tgctgccacg gagttttccg actatgctct 300
tgtgtggtgg aacaagcttc caaaagagag agccagaaat gaag 344

<210> 8430
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 8430

agcttcctt tctttggcca atgctggact cgtttggcag tgatttcctt ggcaatttga 60
 tgctcagaaa catcaatata tatcactcca tcagtaggtc tgcccagata tttgttaata 120
 acagcagggg agaatttaac acactttcct ctgacaaaca ccttttgata ctcatcactt 180
 tttctgttag atatgtcaga gggaatgttg acaatgaatt ccctgactaa gccttcatag 240
 caatctccca acttgctgac agtcttcagc agtccagcag ccttg 285

<210> 8431
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 8431

agcttattac gtgttgatga ttataacaca tatattgtat atgaattgtt aaaataaatt 60
 aggaattaat agttcaaata ataaaattaa aattgaagga aattaatata tcaagattca 120
 acgataaatt ctttcaatgc attttttagtt taattattta ttaactcttt ttaattgaaa 180
 ataatatagt tcgatttaat atatacatgt tttgtgccat gtaaataatta atactgtgtg 240
 atgtttatat gatttatgag gtgtgataac atgttaagtt g 281

<210> 8432
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8432

tatgcattca atatactgat gaggggtgtt catatgttct taagactgga ctaatacatt 60
 tgctgcccga gtttcatggt cttgcaggtg aagatcctca taagcatctt aaggagttcc 120
 atattgtttg ttccaccatg aagctccctg atgtccaaga agatcatatc tttctaaagg 180
 cttttcctca ttctctggag ggagtggcaa aagattggct atactacctt gctcccaggt 240
 ccattttcaa ctggtatgac ctttaagagga tattcttgga gaaattcttc cctgcattca 300

<210> 8433
 <211> 289
 <212> DNA
 <213> Glycine max

<400> 8433

agcttatttc aggttgacta attgttgagt tctgcaaagc cccactaca aaccgataga 60
 gagtaggatc aaaaaagata tcagccctag acttagacag ttacagtta gtaaccatag 120
 gagaatatat gagttgtgcc tctgccatgt gagttttctg taagagattt ctgatatatg 180
 tactctgagt aagtactaag gagttatcag aaagagtctt gacctcaata ccgaaaaaat 240
 agtcaaactt tcctagctgt tttaaagaga aagtggagtt aagtttggc 289

<210> 8434
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 8434

tgaaggaaaa ctggatgcat tggttaactt ggtaaccag ctggccttga atcaaaaatc 60
 tgtacctgtc gcaagggttt gtggtttgtg ctctctgct gaccaccata cagacctttg 120
 cccttccatg cagcaacctg gagcaattga gcagcctgaa gcttatgttg caaatattta 180
 caatagacct cctcaacctc agcagcaaaa tcaaccacag cagagcaatt atgacctttc 240
 cagcaacaga tacaaccctg gatggaggaa tcaccctaac ctcatatggt ccagccctca 300
 gcaacaacaa cagcagcctg ctcttctctt ccaaatgct gctggcccaa gcagaccata 360
 cat 363

<210> 8435
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 8435

tctcaggaag tttctcaagg gagctacctg tgctataaat acgagcatgt gtaacacttg 60
 ttgtaactgt gatgaatgag agtcttgtga gacacacttc aaagttcaac ttctctgcct 120

ctttttgatg tagctccatg tggagcttgt aagccttgga tcttcttcat caatggattc 180
ctttgcttct tgaggtttga ttgcgatcta atatagaacg agaaagatga atggagactt 240
cacatcaagt ataagatggg tatacaagaa gctcaccacc ataggaagcc atggataaaa 300
gcttaaaggt agaagaagat gaatgaatgg agaggaagag aagagcatga aatttactgc 360
ctctaaag 368

<210> 8436
<211> 282
<212> DNA
<213> Glycine max

<400> 8436

agcttgatat ttacctctaa gttcttctcc aaagccttca cttgttccac acttagtcga 60
cgcttcttct cagattgatg ccccggttct tcaacacacc cttcctcgtc gaggccgtcc 120
aacatcgatc ggaactccct gccatacatg tgggtggctgt tctcggact atgttctct 180
aaaccaatgc aaattaaatc agacatcatc attattagta taaccaacat aaaacatgga 240
tcttgatct gtgtctgaat tttaaaaaac aaaaaccaat at 282

<210> 8437
<211> 288
<212> DNA
<213> Glycine max

<400> 8437

agcttgccac cacgaagttt tccgactatg ctcttggtgt gtggaacaag ctacaaaaag 60
agagagcaag aatgaagag ccaattgttg atacatgggc ggagatgaaa aggatcatga 120
ggaagcggta tgtgccggct agttactcaa gggatttgaa attcaagctc caaaaactaa 180
ccaaggcaa caaggggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
caaagattga aaaagatgag gaggttaacta tggctcaatt tcttaatg 288

<210> 8438
<211> 285
<212> DNA
<213> Glycine max

<400> 8438

agcttctaca attggttttt cctaattcct ttacactttc ctcacctctc aatgagccag 60
 tgaaaaagaa tgtggcattc acttgagatg aaagacaaga gcaggccttt actttgctca 120
 aagaaaagct caccaaggca cctgctctag ctcttttttaa ctttttctaaa acttttgagc 180
 tagaatgtga tgcctctaga gtgggagtg gagttgtatt gttacaagat ggacacccta 240
 tttattattt taatgaaaaa cttcatggtg ccaccctcaa ctacc 285

<210> 8439
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 8439

agcttgttct ttacctctct atcatcccc tcagcaagaa tcttgagcac ctctctgcg 60
 agcttctggc agtgctgtgg atcaatctgc tgctcaaaag cctgagagat tttcctctga 120
 agccaataag catcaatatc ctgcacattc aaacccatcc cttcattacc ctcttcata 180
 tcctcatcat caattccacc catctgcata gcccagaac tgttcggctc tgtgacatcc 240
 tcacctctt cctcctcatc ctgcacaata tccaaatcac tc 282

<210> 8440
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 8440

tcaacatctc aatttcgagc gtctcgatat atgacgggac tcaatcagac atccgagtaa 60
 aaagttattg tcgtttgaat tggctcagag cttcaacatt caatttcgag ggtctcgata 120
 tattgcggta ctcaatcaga catccgagta aaaagttatt gtcgtttgaa ttggctcaga 180
 gcttcaacat tcaatttcga gcgtctcgat atatgacggg actcaatcag acatccgagt 240
 aaaaagttat tgctgtttga attggctcag agcttcaaca ttcaaattcc agggctctga 300
 tatattacgg gactcaatca gacatcccaa taaaagtat tggctggttg aat 353

<210> 8441
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 8441
agctttgagc caattcatac gactttaact ttttactccg atgtctgatt gagtcccttc 60
atatatcgag acgctcgaaa ttgaatgttg aagctctgag ccaattcaaa cgacaataac 120
tttttactcg gatgtctgat tgagtcccgat aatatatcga gacgctcgaa attgaatgtt 180
gaagctctga gccaatcaa acgacaatac ctttttactt ggatgtctga ttgagtcccg 240
tcatatatcg agacgctcga aattgaatgt tgaacctctg ag 282

<210> 8442
<211> 288
<212> DNA
<213> Glycine max

<400> 8442
agctttttctt tgagcaaagc aaaggcttgc tcttgttttt caccacaggt aaatgccaca 60
ttctttcttca ctagctcatt gagaagtgat gcaattgtag agaaattagg aacgaacctt 120
ctatagaagc ttgctaacc atggaagctc ctaatatctc ccacactttt tgggggtgggc 180
cattcttgga tggccttgat tttctcaggg tccatttgga cccatttctt accaactaca 240
aacccaaaga aaactatatt atctacacaa aaagtacact tctctata 288

<210> 8443
<211> 371
<212> DNA
<213> Glycine max

<400> 8443
tgccgccacg gagttttccg actatgctct tgtgtggtgg aacaagctac aaaaggagag 60
agcacgaaat gaagagccaa tgggtgatac atggacggag atgaaaaaga tcatgaggaa 120
gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca 180
aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240
tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300
ccgtgatatt gttgagttgc aagagtttgt tgaaatggat gatttgcttc acaaagcaat 360
ccaagtggag c 371

<210> 8444

<211> 280
 <212> DNA
 <213> Glycine max

<400> 8444

agcttcggta gttcaatttc gagcatctcg atatattatg cgcttgaatc tgacatctgt 60
 gtaaaaagtt atgaccattt tagtttatcg ggagcttccg tttttcaatt tcgagcgtct 120
 ctatatgtga tgagctcgaa tcggacatcc gagttaaaag ttatgaccat ttgaatttct 180
 cgagtgtctt cgtttttcaa tcttgagcgt ctcaatatat tatgcgcttg aatctgacct 240
 ccgtgggaaa agttatgacc atttgaattt ctcgagagct 280

<210> 8445
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 8445

agcttgtaga gttgagtctc gtatcagttt catcgattac cgatatctcg taatcgattg 60
 cactattggt tgtgatgtaa gctaaattgg agcttgtagg cctatgatct tcttcaccaa 120
 tggatttctt tgattcttgg aagatgaatg acaatggaat ggagaaggaa gagagagagg 180
 agaccccact ttaaggagaa gatgagtcaa gaagaagctc accatcatag gaggctatgg 240
 ataaaagctt ggaggaagaa ggagatgaat gaagggagag 280

<210> 8446
 <211> 288
 <212> DNA
 <213> Glycine max

<400> 8446

agcttgtaag aagacaattt ccaattatgc tcccttatgc aatgacgatt aataagtctc 60
 aaggccagtc attatctact gttggactat acttacctaa cccattgttt agtcatggaa 120
 ttataaatca aagaatggat taaaagtttt aatacatgat aaagacaaaa caagcttgac 180
 ctctaccacc aatgtagttt tcaaagaggc tttcaaaagc ctgttaaggt atatataata 240
 tatctatata ctgaccattt tccttaagca ttataatgta ttcactac 288

<210> 8447

<211> 281
 <212> DNA
 <213> Glycine max

<400> 8447

agctttgaaa aaattcatat gctaataact ttctactcgg ttgtccgatt caagagtatc 60
 acatattgag acgctcgaaa ttgaacaacg gaagctctcg agaaattgaa atggtcataa 120
 ctttttactc ggatgtccca ttcaggtgca tcacatatcg agacgctcga aattgaacaa 180
 cgggagctct cgagaaattc aaatgggtcat aactttttcac acggagggtca aattcaggcg 240
 catcacatat cgagacgctc gaaattgaac aacggaagct c 281

<210> 8448
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 8448

actcagcttt cagaaattaa attgtcataa cttctttctc ggaggttcga ttcattgcgc 60
 taatatatcg acacccccga aattgaacaa tggaagctct cgagaaattc aaattgtcat 120
 aactttttcac tcagaggacc cattcatgcg gataatatat caagacgctc gaaattgaac 180
 aacggaagct ctcgataaat tcaaattggtc attacttttc aactggagtt tcgattcatg 240
 cgcatcacat atagagacgc tcggaattga acaacggaag ctctcgagaa attcaaatgg 300
 tcattg 306

<210> 8449
 <211> 272
 <212> DNA
 <213> Glycine max

<400> 8449

agcttccatt gttcaatttc tagcgtactc gatataattat gcgcctgaat cggtcctttt 60
 agttaaaagt tatgaccttt tgaatttgtc gagagctttc ggtgttcaat ttcgagcgtc 120
 tggatatatt atgcgcctgg atcggaacctc cgagtgaata gttatgacca tttgaattat 180
 gtcgagagct tccgttggtc aattttgagc gtctggatat attatgcgcc tgaattggac 240
 cttcgagtga attagtatga ccaattgtat tg 272

<210> 8450
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 8450

tctacattca atttcaagtc ttttcgatat attacgggac tcaatcggac atccgagtaa 60
 aaagttattg tagtttgaat ttgctcaagg cttcgggtatt ccatttccag cgtctcgata 120
 tattacggga ctcaatcgga catcagagta aaaagttatt gttgtttgaa tttgctcaga 180
 gcttccgtat tccatttcca gcatctcgat atattacggg actcaatcag acatccgagt 240
 aaaaagttat tgtagtttca atttgc tcaa ggcttcggta ttccatttccg agcgtctcga 300
 tgtattacgg gactcaatca gacatccgag taaaaagtta ttggcgtttg aatttgct 358

<210> 8451
 <211> 279
 <212> DNA
 <213> Glycine max

<400> 8451

agctttgaga aaattcatac gacaataact ttttactcgg atgtctgatt gagtcccgta 60
 atatatcgag tcgctcgaaa ttgaataccg aagcgctgag caaattcaaa cgacaattac 120
 tttttactcg gatgtctgat tgagccccgt aatatatcga aaagctcgaa attgaatggt 180
 gaagctctga gcaaattcaa acgacaaaaa ctttttactc ggatgtctga ttgagtcccg 240
 taatatatcg aaaagctcga atgtgaatgt agaagctct 279

<210> 8452
 <211> 273
 <212> DNA
 <213> Glycine max

<400> 8452

agctttatct ccttcaactg cacaaggctc ttaatatttg aagagtatcc ttgtggaacc 60
 ttcacccgac gaagacactg acaaaaaactt atcttctcct tcttgacaa agtatggcac 120
 gctgggggca agtaaatttt cttcccatca gaccttggat gcaactgtga tcttataccc 180
 atatcagcta gatcttgacg ggtattcaag ccacccctcg ccttgccctg aatgttaagg 240

<210> 8453
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8453

agcttgacag gttcagggtc atgtgctgnt attagtggag gcactccaat ttgcttgcca 60
 gacctcaagg tgatggcact cacatttttt ggattttgca tagtttgtga aggcaatttg 120
 tcagaatttt gggactgagc ttggttcaat tgagtagcca tctgccccct ctgatttgct 180
 agactctgaa tgaaggctct tatttcttgc tgaaattgca tattctggat ggtcatttgt 240
 ctcactaact cctctaagga aggttgagaa ggggcctcat ttg 283

<210> 8454
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8454

tctacattca atntcaagct tttcgatata ttacgggact caatcggaca tccgagtaaa 60
 aagttattgt agtttgaatt tgctcagggc ttcggtattc catttcgagc gtctcgatat 120
 attacgggac tcaatcggac atcagagtaa aaagttattg ttgtttgaat ttgctcagag 180
 cttcgggtatt ccatttcgag catctcgata tattacggga ctcaatcaga catccgagta 240
 aa 242

<210> 8455
 <211> 284
 <212> DNA
 <213> Glycine max
 <400> 8455

agctttgaga aaattcatat gacaataact ttttactcgg atgtctgatt gagtcccgta 60
 atatatcgag tcgctcgaaa ttgaataccg aagcgctgag caaattcaaa cgacaataac 120
 ttttactcgg gatgtctgat tgagtcccgat aatatatcga aaagctcgaa attgaatgtt 180

gaagctctaa gcaaattcaa acgacaaaaa ctttttactc ggatgtctga ttgagtcctg 240
 taatatatcg aaaagctcga atgtgaatgc agaagctctg agca 284

<210> 8456
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 8456

tcattcttag aatgaagtta gtagagatat atatatcgtg aataatcatc tataaagggtt 60
 atgaagtatt tcagactatt tgcattccatg tctggacaac atatgtctgt atgtatgatt 120
 tctaataaat taaaactcct ctttgcaccc ttttttagact tgtagtttg cttaccctta 180
 atgcaatcta cacaagtctc aaaatcagcg aaatccaaag tactaagtac tccttcattt 240
 actaatcgct tgattctctc aataaaaata tgtcctaate tctgggtgtca caatatagag 300
 gttcttcatt cacaatacat cgttttaacc caacagaaac gtgcatagaa gtagcgt 357

<210> 8457
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 8457

agcttgccaa atgctctatt ggctgatgag ttgggtccatc ctctcgaagt ccaatcgtat 60
 catgagtcac cacataaata acttcagctt cacacagtgc ataaatcctt atggcagctc 120
 tcatgtagtc agtgaagaca aagggcattt atattttgct gaaacagatt tctttagtca 180
 tatgcagggc tttctggagt gtatgtctga atgttgaaat ttaattagaa gggtagtcaa 240
 taatccagaa acaaattgatg gaagtcaagt tttatttata 280

<210> 8458
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 8458

tctacctcgc caggggcatg aattcgggtg ccacattcac gctaaccgct tcaactaaat 60
 gtctgggatt ggcatcacia tgttttgctc gagctaattc ttcgatcgct aatgtctcct 120

ttagttcaat agcaatctca ctcatgattg gcctttcgct gggattttga gaaacacaag 180
 ccattgctat ttctaaggct ttccaagctg agttaatgtc ataatctcct tctaaccctg 240
 agtcaactat ggccctgata tcccctttct caatcaagga cctaaccctt ccacttatgt 300
 gacccttttc ttgattcctt tccattactg gttggggt 338

<210> 8459
 <211> 301
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8459

agctttncgt caatgggtatt acaagttcta tcaagtcatt accttgatg gttttgagga 60
 aaatgcagct gatgattgtg tatatcacac gttcaatggg agtaaatact tattcttggt 120
 attatatgtc gattatatac tgcttgatag gagtaatata ggcttcttat aggagactaa 180
 aaaaatttat gacaaaaaat ttgaaatga aaaatcttgg ggaagcctct tttgtgttag 240
 gtattaagat actaagagat cactcccaag gtatcctaag actgttagaa gagagttata 300
 t 301

<210> 8460
 <211> 308
 <212> DNA
 <213> Glycine max

<400> 8460

tgctaaccce tggatgctcc taatatctcc cacacttttt cgggtgggcc attcttggat 60
 ggccttgatt ttctcaaggc caacttggac cccattttta ccaactacaa atcctaagaa 120
 aactatacta tgtacacaaa aggtacactt ctctatattt gcatagaggg tgtttttcct 180
 aacgactgaa agaacttgcc taagatgtcc taagtgatca tctaagctct tactgtacac 240
 taaaatatca tcaaaataaa caactacaaa tctacctatt aaatccctta agacataatg 300
 aataagcc 308

<210> 8461
 <211> 294
 <212> DNA
 <213> Glycine max

<400> 8461

agcttggctc tggccattat aaccatttca ttcttaagtt ccttaacctt taaatagaca 60
ttctgggtcaa gtaagtgtt ttctgcatca aacagatcaa acttgatctt ctaatcatct 120
atgcccattt ctagttttatc ctttcccata tccaccacac aaccggcggt taacataaag 180
ggatggccca aatcaaggg gatttttagcg tcttcttcaa tatccatcac aacaaaatct 240
gcagggaaac taaactgtt caccttaacc agaacatctt caattatgct ataa 294

<210> 8462

<211> 288

<212> DNA

<213> Glycine max

<400> 8462

tctcgatata ttatgcgctt gaatcatact ttcgtttcaa aagttatgac gatatgaatt 60
tctccactgt attccgtgtg acaagttatg accatttgaa tttctcgata gcattcgttg 120
ttcaatttcg agcgtctcga tatattatgc gcctgaatcg gacttccgtg tgacaagtta 180
tgaccatttg aatttctcga gggcttccgt tgctcaattt cgagcttctc tatatattat 240
gcgcctgaat cagacttccg ttgaaaagt tatgaccata tgaatttc 288

<210> 8463

<211> 290

<212> DNA

<213> Glycine max

<400> 8463

tttagcttgc taagatacat ggccaataa tgagcctaaa gctgggacaa ataaccactg 60
ttgttatgtc ttcagcacia atgcccacaa aggtgcttct aaccaatggc caattcttgt 120
caaaccgaac cattccccaa tctgtgccag ttctaaacta tgaacaatac aaccttgctt 180
tcatgcccac ttcacctctt tggaggggaac tcagaaaaat atgcaacact tagttatttg 240
cccataagtc tcttatgcta gccaaagacgt taggcgtaag atagtgcaat 290

<210> 8464

<211> 284

<212> DNA

<213> Glycine max

<400> 8464

agcttgtgaa acaacaattt atcttttcca atacgaaaga tcccaaaaga tacttctttt 60
tgcccaatta tgccactccc catgtccttc tatttggtta acaccatttt ttgtaactct 120
tggcaaattc cttactctat gctacacttg attaggtgtc aacctagggtg gtagctcatc 180
atattcttct tccccttttc taaaggtttt ttgttagtcc taaatggatg aatgctgggt 240
aagaacctac gatgcgagtc aaataaaca tttttcctct cata 284

<210> 8465

<211> 301

<212> DNA

<213> Glycine max

<400> 8465

agcttcactc aaagattcat cggaaaattg atggaatgaa gaaattgtag cttttccctc 60
tgttgtcttg gactcaagaa aatatttctt caaaaacttt tccacaactt tatcccaagt 120
ccttaagcta ttacctttga atgaatgcag ccacctcttg gcttctctag ataataaaaa 180
tgaaaataag ctgagccgaa tagcatcttc tggcacaccg acaatcttga caatgttgca 240
tatctcaata tatgttgcca agtgtgcata tgggtcttca ttgggtagac catggaacaa 300
a 301

<210> 8466

<211> 313

<212> DNA

<213> Glycine max

<400> 8466

tgtttcaatc catatataga tcgttgctac ttgcaaactt cattacaacc agccaataat 60
gtgaatcctt caggttgtgt catgtatact tcctctttca actcaccatt aaggaaagtt 120
tttttcacat ccacttgtea tatctcataa tcatagtatg ctgctatggc aagtagaatc 180
cgaattgact tgagcattgc cacaggagaa aatgtttcgt cataatctat tccttcctgt 240
tgacgatatc ctttagcaac aaggcgagct ttataggtct cgacctttcc atctgcttca 300
atcttttttc ttg 313

<210> 8467
 <211> 295
 <212> DNA
 <213> Glycine max

<400> 8467

agcttgtaat ctttggtttc ttgaagatat cttaacactt tctttgcagc tgtctagtgc 60
 tctattcctg aattactttg atatctccca agcattccaa ccacaaatgc aatgtcaggt 120
 cttgtacaca cctgcgcata cataaggctt cctacaatgg aagcatatgg aatgtttctc 180
 atttgttccc tttgaagctt attttttagga cattgattca aattgaatct atcacctttc 240
 acaatagggtg tcatgttggg tgaacaatct tcatccgaaa tattttctaga acttt 295

<210> 8468
 <211> 292
 <212> DNA
 <213> Glycine max

<400> 8468

agcttaagca gtgatcaaac ttgctctttg gaactggctt tgtaaacata ttaacaggat 60
 tgtgcagagt gataatctta tgaactttga ttcttctttc tgaccgaatg aagtgatatc 120
 taacatctat atgcttgggt ctatcatgat gaacctaatc cttggccaag catatagcac 180
 taaggctgtc acagtagatg ttagcatatt cttgattaat ttcgagatca tttatcagac 240
 ctctcagcca aattccttcc tttgcagctt caataagagc catatattta gc 292

<210> 8469
 <211> 310
 <212> DNA
 <213> Glycine max

<400> 8469

tgaaggcaaa ctagatgcct tgtttaactc tggtaaccta actggccatg aataaaaaat 60
 ctgcacctgt caccagacta tgtggtttat gtcctgtgc caaccaccac acagaccttt 120
 gcccttctat gcaacattat gaagaaattg aacagcctga agcttattct gcaaacatct 180
 acaataggcc tcctcaacct cagtagcaaa atcagccaca acagaacaat tatgacctct 240
 ccagcaacag gtacaatccc ggggtggagga atcatcccaa ccttagatgg tcgaatactt 300
 cacaacaaca 310

<210> 8470
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 8470

tctattttca attacgagcg tctcgattta ttacgggact caatcggaca accgagtaaa 60
 aagttattgt cgtttgaatt tgcttagtgc ttctgttttc aatttcgagc gtctcgatat 120
 actacgggac acaatcggac acccgagtta aaagttattg tcgtttgaat ttgctcagag 180
 cttctatttt caattacgag cgtctcgata tattacggga ctcaatcggga catccgagta 240
 aaaagttatt gtcgtttgaa tttgcttaga gcttctgttt tcaattacga gcgtctcgat 300
 atactacggg a 311

<210> 8471
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 8471

tattgggcct taaaatttct gatcttttat gaagccgcat ctagagagta aaggaggcta 60
 caactattgg agttagaaga aatgagattg actgcatatg aatcttcaag gctgtataaa 120
 gagaggggta aaacttacca tgataaaaat cttctaaaga agaattttca accaggacaa 180
 cagggtgctac tattcaattc aaggctgaaa ttgttccttg ggaagctcaa atctaaatgg 240
 tctagaccat ttaccatcaa caaagtcaag ccatatggag cagtagagct ttgtgatcct 300
 caac 304

<210> 8472
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 8472

agcttatgct gcaaatatatt acaatatacc tcctcaacct cagcagcaaa atcaaccaca 60
 gcataacaat tatgacctct ccagcaacag atacaacct agatggagga atcacccctaa 120
 attcagatgg tccagccctc agcaacaaca acaacagcct gtccttcct tccaaaatgc 180

tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240
acagccaaca gttgaggccc ctccacaacc ttccctcgaa gaacttgtga ggcaaatac 300
tat 303

<210> 8473
<211> 303
<212> DNA
<213> Glycine max

<400> 8473

tgaaattgaa caacggaagc tctcgagtaa ttcaaattgt cataacttat cacacggaag 60
tccgattcag atggataata tatcgagacg ctcgaaattg aacaacgaat attctcgaaa 120
aattaaaatg gtcataactt gtcacacgga agtccaattc aggtgcataa tatatcgaga 180
agctcgaaat tgaaccacga aagctctcga gaaattcaaa tggtcataac ttatcaaacg 240
gaagtctgat tcaggtgctg aatatatcga gaagcttgaa attgaaccac ggaagctctc 300
gag 303

<210> 8474
<211> 272
<212> DNA
<213> Glycine max

<400> 8474

agcttctgga tatattatgc acccgaatca gacttccatt tgaaaagtta tgaccatttg 60
aatttctcga gagcttccgt tgttcaattt tgagcgtctc ggtatattat gcgcctgaat 120
cgaacttccg tgtgacaagt tatgaccatt ttaatttctc gatagcattc gttgttcaat 180
ttcgagtgtc tcgatatatt atgcgcctga atcggacttc cgtgtgaaag gtattaccat 240
tctgatttgt cgagaacctt ccttggttca at 272

<210> 8475
<211> 302
<212> DNA
<213> Glycine max

<400> 8475

agcttcaaca tcagacctct tccaggggtg tggaactact tcacatggac ttgatggggc 60

ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggttgat gatgatttct 120
ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
agttgagtct aagacttcaa agagaaaaag actgtgttat caagagaatc aggagtgacc 240
atggcagaga gtttgaaaac agcaagttta ctgaattctg cacatctgaa ggcatactc 300
at 302

<210> 8476
<211> 310
<212> DNA
<213> Glycine max

<400> 8476

tgtccaatga ggtgacaatg aaaataccta gtgttactac ctgatataca gtttttgctg 60
ctcgttttat tgtcaattcc aactgcatca atgcatcttt aacaagcata ccacgaacca 120
gagcagcaac caagttgacc ttctttggac tctaaaatac catagaaaac aaggatatga 180
aaatgtgcaa ctagtcatgat attaatacaga tccttcttaa accataaatt aaggcatttt 240
ccacagcaaa ccagggaagg catttcaatg gctaaaaaat tagatgccaa cttttctgca 300
aaataacatg 310

<210> 8477
<211> 306
<212> DNA
<213> Glycine max

<400> 8477

ttaccaaggg cattgggtgc tggctttggt aatactgaca aagaatttca gagcagaggt 60
gtgaacttta gcttttattc ttgtgttttt ttggggataa aatattggga gggtcgaaat 120
acagaactgg aggatctgga atttaatttt tttctcttcg tattactgat tatataagtc 180
ctcatctggt tttgtccagg agaaacttcg ggaaccacag ctacattcgt aatagtggat 240
aggtggactg tgactgttgc atctgttgga gattcccgtt gtatactaga taccagggt 300
ggtgct 306

<210> 8478
<211> 301

<212> DNA
<213> Glycine max

<400> 8478

agcttgaatg acaatcattt catggggctc cgaataaaaag tggagaatgg aggataggcg 60
aacagcgcta ggcaatcaat tcgcgggtct cccgactcgt tggaggagga tgcataaatg 120
acaatcaact catggggctc cgaataaaaag tggagaatgg aggataggcg aacagcgcta 180
ggcaatcaat tcgcggggct gcataactga tggaggagga tgcataaatg acaatcaatt 240
catggggctc cgaataaaaag tggagaatgg aggataggcg aacagcgcta ggcaatcaat 300
t 301

<210> 8479
<211> 309
<212> DNA
<213> Glycine max

<400> 8479

tcacaaagaa aatcatattg atatgacttc tttggaagtc ctcttacgag gctatgcttt 60
ttaagctttg agattaacct taagctagca tgaccaagct tcttatgcca tatgcaatga 120
ctctctttga ctgagagtaa gcacgacacc ttttgactag acagatcacc aagtttaatc 180
ttatagaaat ttccttgtct cttagcatag aataatgaag atttgttctt attatggacg 240
atacacatat ccttggttaa ggtgacattt tatccactgt cacataattg acttatgctc 300
agcagatta 309

<210> 8480
<211> 297
<212> DNA
<213> Glycine max

<400> 8480

agcttgaatc ggaccttttg tgaaaagtta tgaccatttg aattttctga gagctttcgt 60
tgttcaatgt cgagcatctc gacatattat gcgctcgaat cgaacatccg tgtgaaaagt 120
tatgaccatt tgagtttctc gagagcttcc gtggttcaat tccgagtatc tagacctatt 180
atgtgcccga atctgacctt cgtgtgaaaa gttatgacca tttgaatttc tcgagagctt 240
ccgatgttta atttccagcg tctcaatata ttgtacgcct gaatcggacc tcagtgt 297

<210> 8481
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 8481

tatgctgcaa atatttacia tagaccttcc caacctcagc agcaaaatca accacaacag 60
 aacaattatg acctctccag caacagatac aaccctagat ggaagaatca ccctaacctc 120
 agatggtcca gccctcagca acaacaacag cctgctcctt ccttctgaaa tgctgctggc 180
 ccaagcagac catacattcc tccaccaatc caacaacagc aacaacccca gaaacagcca 240
 acagttgagg cccctccaca accttccctc gaagaacttg tgaggcaaat gactatgcag 300
 aacatgcagt t 311

<210> 8482
 <211> 295
 <212> DNA
 <213> Glycine max

<400> 8482

agcttctaaa ctttgtttaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
 gatattctaa gaaggggggg ttgaattaag atattccaaa cttttctcct aattaaaaat 120
 ctatcttact ttttacttaa gttatgaatt cccttaatga caatcttctt aaatattaat 180
 tcaaatgaag caacttgaat tatgaatata aagcaataat aaataaagga gattaaggga 240
 agagaaaatg caaactcagt tttatactgg ttcggccaca cccttggtgcc tacgt 295

<210> 8483
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 8483

taataaatca atctatggct tgtaacatgc ttcccgccaa tggtatctaa agtttcatga 60
 tgtcatcact tcatttggct ttgaagagaa catcatggat caatgtatat accaaaaggt 120
 cagtgggagt aagatttttt ttcttgtgtt atatgtggat gacattttgc ttgcaactaa 180
 tgataagggt ttgctatatg aggtgaaaca atttctctcg atgaactttt atatgaagga 240

tatgggagag gaatcttatg tcattgacat taagatccat agggaaagat ctcgaggcat 300

tttg 304

<210> 8484

<211> 288

<212> DNA

<213> Glycine max

<400> 8484

agctttactc tatagcctgt tgcttgagtg ctccggcatc ttggaaaaac aagaagcgtt 60

ctacaagcat aaatctttgt gctggtacag tttattcaac taatgtatgg catcaacgag 120

gcgggatgat ctaatataaa tagccccata atatgaatcg cctgcaacat aaagaagcgtt 180

ggctgtttga tgacatgtgg atcaaataca gcttatttca acatgtgttt ggcttaaaaa 240

aagtgaatcc tgaatagtac ctcgctctatt gtgagcccat ccaaacta 288

<210> 8485

<211> 353

<212> DNA

<213> Glycine max

<400> 8485

tgtcatggca atccttttggc agggaaaaatt ctaaaacaaa atcagcggag gcactccgga 60

gtggaatgcc cagaacagca tgcaagccaa acatgttatc atgatgtgcc acaggatact 120

ccgccttgct gaaagaagta atgtcatttg caaaacaaag tttggtgggt gtgaaagctg 180

tccaactac tccttgcccc cccaaaaggt ggcaactaga gcaggctttc aggaaaccca 240

ttagctctac atccgccaca aaactagcag catacacagt cgacacataa ttcattctcat 300

cgtttgaatg cccacatcca ctctttcctg cttgttggat gcaggagacc cat 353

<210> 8486

<211> 358

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8486

atggatgcc ctaacaacat taacatataa ttggtataaa aaaacaatga caaaaatgt 60

ttaattttca agaaatttct tattttaattt atcttatatt ttaagatgtt agatatattg 120
 attttttttg tatattattt tctttataaa gtattacaag ataagattaa tatgattaag 180
 ccaacttatt thtagttatt tttattttta tggttnttat ttnttaatct tgatagctct 240
 catgataaaa gtttaaaact ttatatcaaa tatcaaaata taggttatcc aaatgaaact 300
 tcaattctga taagagaata gtatacaaaa tatttacgta actacatatg agttttac 358

<210> 8487
 <211> 638
 <212> DNA
 <213> Glycine max

<400> 8487

ttgtatggta gaaggtgtag gacaccccta tgttggctag aatccataga ggacctcacc 60
 ttaggacctg aagtgggtaca acaaaccatt gagaagggtca agttgatcca agagaggatg 120
 agaactactt agagtaggca aaaaagttat caggacaaga ggaggaaaga cttggaattt 180
 gaggttggtg atcatgtatt cttgagagtc actccgtgga ctgggggttg tcaagcattg 240
 aaatcccaaa aactcacacc tcgttttatt ggttcttcca aattctcaaa agtgtcggtc 300
 ctgtggcata ccaaattgca ttaccctgt ctctttctaa tcttcacaat gtctttcatg 360
 tgtctcatcc atgacccatc ttatgtgatc gaattggatg acgtacaagt gaaggagaac 420
 ttgacatatg aaacattgcc tttgaggatc gaggataggc atacaaagca cctaaaaggg 480
 aatgagattc cattgggtcaa ggtgatatgg ggaagtgcac caaaaaaat gccacgtggg 540
 aactagagag tcagatgcaa tgagcctatc cagccttggt tgagtcaggt aaatttcagg 600
 aacaaaactt ctatacgggtg ggagagttgt acaccctg 638

<210> 8488
 <211> 510
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8488

aaattnaata ggggagtcac aaatgtgtca agaaaataat taataggaca gagaaaatat 60
 tagtaagtca ttcaagaaat atgtattttg tatcgactta tctatattaa atatacaaga 120
 tgatcatcaa gtgtataggg cgaacattct gctcgaaaaa acaaaaagca tagaataatc 180

attggagtga tacctcctat attttttaggt gataaaaacc acttatttta ataaatattc 240
tattgactaa tccgttatag taattgaatt tagctttaac ccactctagt gaataaaaga 300
tttgttgcac gggttgaata tatatTTTTT taaagatcct tcaactataa tctgagcact 360
aaatattcaa tttatcaaat ggggttgggt caaggataag cactagcctt ctgtaatatg 420
ttcaattaag ggtggatctc taatgagaga tatgcatatt ttagtTTTTT attgtgtctg 480
gaattccagg atactcgtca agatgaaaag 510

<210> 8489
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8489

gggggtgaat taagatacaa aaattattcc caattacaat ttaacttcct tttggaatta 60
ctcaaaagac aattcaaaaa taaacttctt taaagcaaaa gataaataac aataaataaa 120
agaagttaa gggaagagag aatacaaaact caaatTTTat actggttcga ccaccctct 180
gcctacgtcc agtccccaag cagcccgtt gagatttcca ctatcttaa aaagctTTTT 240
acaaactctg aaccacacag gaacatcctt cccttgtgtt cagatatacct tacaacttaa 300
aagaccatcg gtctcttaaa cagatctctt tgaataagaa gaataatttt ctctcattaa 360
gaaaaagata ttacaattga agatcgatca agattcctta ttgaatttgc agtgtnttgc 420
caaggaatat tttgagagt 439

<210> 8490
<211> 448
<212> DNA
<213> Glycine max

<400> 8490

agcttccatt gttcaatttc gaggtctcg atttattatg tttttgaatg agacctccga 60
aataaaagtt atgaccattt gaattgtcga agagcttcca ttgctcaatt tcgagcgtct 120
cgatatatta tgcgcctgaa tccgacctcc gagtgaaaag gtatgaccat ttgaattgct 180
caagagcttc cgttgttcaa tttcgagcgt gtcgatatac tatgcgcctg aatccgacct 240

ccgagagaaa agatatgacc atttgaattg ctcaagagct tccattgttc aatttcgagc 300
 gtctcgatat attatgcgcc tgaatcggac ctccgagtga aaagttatga acatttgaat 360
 tgctcaagag ctttctttgg tcaatttcca gccgtttgat gtattatgcg ccctaaccg 420
 acctccgagt gagaagtttt gaacattt 448

<210> 8491
 <211> 346
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8491

tgtatcagta taacccttc agtttcaatt cagagtctcc atattcgatt aattggtggt 60
 tagttcttct taagtactta agtatggcct taaccatttt ccaatgttcc tcaactgcact 120
 agcatatggt actctactca tgcgttctct ttcttcagga gttgttggac aattctccct 180
 accaagagta attccaacac ctacaggcaa atagcctcgt ttggaattat ccatgatata 240
 tctctntaag atagtatcaa tgtacataga ttgggagagt ccaagcaacc ttttagatct 300
 atctctataa atctttatac ttagaatata gactgcttct cccaaa 346

<210> 8492
 <211> 490
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8492

agcttccatt attaattttg aggggcttta tattttatgg gactgaattg tctcacctga 60
 gtaaaaagtt attgccattg gaatttgctc gggcttctct ttctaatttg gagcatctca 120
 atatatttcg ggactaaatc ggacatccga aaaaaaatt attttcgttt aaattttctc 180
 tgatcttccg tttttaattt cgagtgtctc gatataattc aggactcaat ctgacattcg 240
 agttaaaagt tattgtcttt tgaatttgct cgtagcttcc gattttaatt tcgagcgtct 300
 cgatatacta tgggacttct gagtaaatag ttattgccgt tataatctgc tgggagtttc 360
 tgtttttaat ttcaagcatc tcgatataatt aggggactca atnggacatt cgagttaaaa 420
 agttatggtc tttgaatttg ctcggaactt tcgcttttaa tttcgagcat cttgatataa 480

<210> 8493
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 8493

agcttgaaga caagactata cgaggtgttt gtctttttta tagcaatata tctaagggtc 60
 accgtgtcta caacttgcaa actaagaaac tcgtcatcaa tcgagatgtt gaagttgatg 120
 aatatgcttc atggaattgg gatgaagaaa aagtggagaa gaacgttctt ataccgctc 180
 aactacctca agaagaagat gaggaagaag acccaggtga agcaccttct ctttcatcac 240
 aacaacaaga tcaagaacta tcatcaccag agtctactcc aagacgagta agatctttgg 300
 tggacatata tgaaacctgt aacttggcca tacttgaacc tgggaagcttt gaagaagcgt 360
 caaagcacga agtatgggtc aaggccatgg aagaagagat acagatgatt gagaacagcc 420
 acacatggga gttagtaaat cgt 443

<210> 8494
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8494

agcttcacaa aagtttgtat ggcttgattc natcttctat acagnggtac aagaagtta 60
 atgagtttat gagcaactca cgattcaaaa gatgtgacat ggaccattgg tgctatgtta 120
 aaaaatatac taatagttat gttatccttg ttgggtatgt tgatgacatg ttgattgtag 180
 gatctagtac ggcagaaatt aacaggttga agcagtagtt ggcagaaaac tttgaaatga 240
 aggatcttgg tccagctaaa caaatccttg gtatgagaat tcttagaaac agatcagaag 300
 gaattttgaa gctgtctcag gagaaatata tacacaagtt gcttgacagg ttttaccttg 360
 gagattctaa gaccaggaat accccttgg gatctcattt gaagttntca aagaagtaat 420
 ctttgcagac agatg 435

<210> 8495
 <211> 410

<212> DNA
<213> Glycine max

<400> 8495

agcttactaa ggataggagt ctctatattt ttctttgacg actaacataa gcgtcgtgtg 60
atttgctctc aaagtcacct cctgcctat atacattggc cagcccccat cattgcaaaa 120
gctacttggt ctctcaaaca tgggttcattc atcataaaaa acaatgaatt ttacctcccg 180
tgcccataga tcttcatatg tcgaggctat cagctttgag ctgatgccaa ccagctgaag 240
ctccctecta tgcacagcct tcacagatga gaatcgatcg acagagttca aggtggaata 300
tagagatgtc ggatgagctc aaactgctg tgctcgtcta tcaaccagcc ccagagatag 360
aactcatctg ggcattaata tctggctgcg aacctatgta cacatgcaca 410

<210> 8496
<211> 541
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8496

tattaagata ctaagattat gaacgatgaa atccaatcct atgttcctca ttattatnca 60
agncgntatt attttcataa ttacgtatt tccgacgcac taaatttcgt tatttttgta 120
tttcccgat ttctgttatt tctgtcattt ccattatttt tgtaaaccg ttatttttac 180
ttttctttta ctttaaagtt gtcttttagtt aatcaaacca aaaccaatga catttgatta 240
aatttgata taactattaa actgataacc tgtatccaaa tgaattaagt aaactcaagt 300
tcttgaggag acgaactcgt ttataaatgt gaaacctaca atgtcaattg gtacgcttgt 360
caaaagtctt aacaagttca tggcgctgtt gccaggact tgagccatcc acttagttct 420
ttcggataaa actttcaggt tgataggcta tttactctg gaaattactt ttaatttgta 480
ttaaattcat cttttatttc ttctaccct tgacttatta ttacatttg ataaatttct 540
c 541

<210> 8497
<211> 557
<212> DNA
<213> Glycine max

<400> 8497

agcttttttag taaaaaaata aatattttaa tatttataga gcaaataata ggctgagtac 60
cctaggtata aataggtata ttaagtcagc tgccctcttt tggcctcatt ttcgtttttc 120
cccttctcct ctcaaaaccc tttctttttc ccgcagccca ccaaaccagt ctcagaaaaa 180
tgacgatctt gaaccgcgtt accgttggat cgtcgtgaaa tttgagtatc atgttcgcaa 240
cagaattccg agcattctca ccgttgggaa tttcgatatc atgtctgaac tgagagaaac 300
acccttcgca ttgtagcctt tttctttccc gcagaaaccc agagctgtct tggtaaaact 360
atgatcccg tttcgtaaac cggttgatta ttgtgaaatt tggatatgtt gttcgaaatt 420
caattccgca cgcttcacc gttgggattt gcgagataat attcgtggag ggagaaaaag 480
gaatcgcag aagacagtat aagtggaggg ttcaatctct tctccgtctc tctgacgttt 540
gggaattcta tcggagc 557

<210> 8498

<211> 486

<212> DNA

<213> Glycine max

<400> 8498

agcttctata gaaggtttgt tcctaatttc tctattattg cgtcacctct caatgagcta 60
gtgaagaaga atgtggcatt tacctggggg gaaaaacaag agcaagcctt tgttttgcta 120
aaagaaaagc ttactaaggc acctgttcta gctcttcctg acttttctaa aacttttgag 180
ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tggtacaagg tgggcaccct 240
attgcttatt ttagtgaaaa acttcatagt gccaccctca actacccac atatgataaa 300
gagctttatg ccttaataag agccctccaa acttggaac attaccttgt ttccaaggaa 360
tttgtcattc atagtgatca tcaatcactt aagtacatta gagggaaaag caagttaaac 420
aagaggcatg caaatgggt agagtaccta gattcaattc catatgttat caaatataaa 480
aaggga 486

<210> 8499

<211> 507

<212> DNA

<213> Glycine max

<400> 8499

agcttgacgt agtggggacg cacggagagt tgtttatatt gtttgagacg aacatatacc 60
aaatcgcccta gctggaaatg gacgtcccga cgggtggcgat cagcatgggt cttcatagtc 120
atgtgtgctt tcaataggca attttgcagt ttggtgtgca gagcttgta ggtggtaaaa 180
atggagtctg cagcctcgac gggagatgtg ccggtagtat acggggccaa tgtagaggt 240
ggtttgccat acgtgatctc gtatggagaa atgccggcag cagagtgggt tgacgtgttg 300
taactccact caatcaatga aagagaagag tgccacaggg caagcctgtc atggacgaac 360
gagcggaggt gttgctcgag agttcgatta aaaaccttgg ttgtccgtc tgactcaggg 420
tggtacgtg tgctataccg gagtttgggt ccactaatgc agaataattc gcgccagaat 480
gagctgagaa agatgggggtc ttgattg 507

<210> 8500

<211> 634

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8500

agcttccatg agtcaggcaa aggagatgtg tttgtttctg tcctttgaga tggatcatgat 60
ggttccatcg ttcaagattg ctatgatgag aaccatgaag ggagagaagt cgaacttcca 120
gatcagagca acgagcatga agccaaacac gatacggatt gtgatagaaa cagcataaat 180
tgtgtagttc ttcacacctt ggaagatagc cctgcttgtc aacacagcac tcacaatcac 240
actgagtccg ggctccgtca agacaatgtc agaggcactc cttgctgcgt cggttgcac 300
atccactgca atgccaatgt ctgctttctt caatgctggg gcatcgttca caccatctcc 360
ggtcattcca acaatgtgat ttctatcttg caacctcttc acaatctcat acttatgctc 420
tgcacatgta gaaaatctca tcagtttttc ttattaacct tattcatttc tctcttaatt 480
tgtggcatca aggtttttaca ttgtcaatta atttgatag gatcatacta ttgttaatta 540
attagaaatc ttagtcaaact actataaaag tcaataattt tatcatatat gacaatctat 600
gatcagatga cagntgagat atcaatgttt ttaa 634

<210> 8501

<211> 434

<212> DNA
<213> Glycine max

<400> 8501

cccaactggc catgaagaaa aaatctgcac ttgtgggcaa actctgtggt ttaagcttct 60
ctggcgacca ccacacaaaa ctttgtcctt ctgtgcgaca atctgaagca attgaacaac 120
ctgaagctta tgctcgaaac atgtacaaca ggaccttctc aaccttaaca acaaaatcag 180
ccacaacaga atgactgtga cctcttcagc aacaggtacg atcccggatg gaggaatcat 240
cccaacctta gatggtagaa ttcgtcacia caacaacctt attttcaaaa tgttgttggc 300
ccaaacagac catatgttcc tccaccattg cagcaacaac aacaacaaca acatccccat 360
agacagaaac agttgatgcc actgcgcacc ttccttgaag aacttgaggg caaatgacta 420
tgcaaaacat gcag 434

<210> 8502
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8502

agctntaagc aaattcaaac gacaatcacg ttttactcgg atgtccgaan gagncccgga 60
atatatcgag acgctcgtaa ttgaaaacag aagctctgag caaattcaaa cgaccataac 120
gttttactcg gatgtccgat tgagtcccggt aatctatcga gacgctcgta attgaaaaca 180
gaagctctga gcaaattgaa acgacaataa ctttttactc ggatgtccga ttgtgtcccg 240
tagtatatcg agacgctcgt aattgaaaac agaagctctg agaaaaatca aacgacaata 300
actttttact cggatgtccg attgagtccc gatatatatc gag 343

<210> 8503
<211> 620
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8503

agcttgtaat cgattacatc atttatgtaa tctattacca gacacaaaaa attcaaattt 60
caagtctgaa gagtcacaac tcttcagaaa ctaactgtgt aatcgattac cacatttatg 120

taattgatta ccagtaagga attttcaaaa ataactccta agagtcacaa ctgttcaaga 180
 agtttttgaa tggccatcaa aggcctataa ataggtgact tgggatatga aattccttag 240
 agtttttttg aacaacatag tcttatectc tcaaaaccaa attgtcttat cactctcaaa 300
 atattccttg gtcaaaatac ttgcaaattc aataaggaat cttgatcgat cttcaattgt 360
 aatatecttc tcttaaatag agaaaattct tcttcttctt attcaaagag atctgtttaa 420
 gagatcgagg gtctcttaag ttgtaaggat atctgaacac aaggaaggg tgtccctgtg 480
 tggttcanag tttngtaaaa gaattctaca agatagttga tatctcaagt gggttgcttg 540
 gggactgaat gtangcatan gacgtggccg aactagtata aaatctgagt ttgcattnct 600
 taaatcccta tctatcttct 620

<210> 8504
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 8504

atccttttcc tgtggtcctt gttcacaagt ttcttactaa gtcttttagct accggtgata 60
 ttgatggcca atgtgaatga tcaaagctag gatttgctct taagacagat cggaaaattc 120
 ctgattccgt gcgtgcgag aatgggtctac ttccacataa caatatgtat gagataaccc 180
 caatactcca taagtctcct tcaacactat gagatctatg gagcacttca agtgccacat 240
 agtaagcact gccaacaata tcattgaggc gttgatctgc atgtttatta gaagtcagag 300
 ctggtagtga aaaaaccaac aagaggatat caccgattac aagagaatga atga 354

<210> 8505
 <211> 488
 <212> DNA
 <213> Glycine max

<400> 8505

tgctaacaaa aatattcatg taggtggacc ttcttcttct tatcatgact cacagcagcc 60
 tctatccct cttccattcc cacctagagc aatttcaaac aaaaagatgg aagaagcaga 120
 aaaagagatc ttggagacct tcagaaaaag tagaggtgaa catacctcta ctagatgcc 180
 tcaagcagat tccaagatat gctaagtttc taaacgagct gtgcaccac aaaaggaagt 240

tcaagggcaa tgaaaggatt agcatgggca gaaacgtgtc agcattgata ggtaaattctg 300
 ttcctcatat tcctgagaaa tgtaaggacc caagtacttt ctgtataact tgcattattg 360
 ggaacagtaa atttgagaat gccatgctag atcttggagc atcagttagt gtcatgcctc 420
 tgtccatttt caattcttta tttcttggac ctttgggaatc tacagatgtg gtgattcatt 480
 tggcaaatt 488

<210> 8506
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8506

gcaagcttct tagtctcaga tgatgcacct tttnttttagc tacctcatgc actcctctaa 60
 tgactatggc attatttctg gcactaaact gctgagagtt ggaagccatc ttctcaaata 120
 aatttctggc ttcaacaaga gtcattgtctc caagggctcc accactggta gcattctatca 180
 tacttctctc catattactg agtccttcat aaaaatattg gagaagaagt tgttctgaaa 240
 tctgatgggtg ggggcaactg gcacataatt tcttaaactc ctcccagtac tcatacaggc 300
 tctctccact gagttgtcta atacctgaga tctccttctc gatggctgtg gtcctggaag 360
 cacggaaaat tttttctaag aatactctct taaggtcac ccaactcgtg atggaccttg 420
 gagcaaggta ataca 435

<210> 8507
 <211> 517
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8507

ttgaacaata tatttgtcct tcatttaact gtctnttttc acggctgcc aagctcaaca 60
 agtattttcg acacctactg tacgttgatt tgaccaacgc tggtatggga atgttgcgac 120
 aatccttcaa aaccttattg atacattctg agaggttggt tgtcatgtgg ccataccgac 180
 gtccttctct atcataagcc atcgtccatt tttcttttga aatgcgatca atccatgttg 240
 ctatggctgg actcagttca cgaaattttt ctagattttg atcaaaaatg tgctcgcaag 300

gagtataggc tgcacaaat tagttatgaa taagaatttt aagtatatat caaagttaaa 360
 taaacttgac catgaaatat gaaatcttac ccaatttctt taacatttct tnttgtttgg 420
 cattattgaa tttccgattg aaagtgtctg ctatgtgtcg cacgcagtag acatgatagc 480
 cgtggggagg ttaccaacca agtgcttcgt tagcgac 517

<210> 8508
 <211> 570
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8508

agcttggttc ccaacgctct gttaagctct ctaattttta taggtaaatc taggatcttt 60
 gtcagatact atgctagatg gcacaccatg taacttgaca acctcactta tatacaaggt 120
 ggtcaacttc tccaaggaaa atctgatatt aatgggaatg aagcgagtag acttagtcaa 180
 tctgtcaaca ataaccaga tagaatctaa acctctaggg gttctagggt gtcttaccac 240
 aaaatccatg gaaatactgt ccacttcca ctgggggtatc tctaagggtt agaacttccc 300
 ttaaggactc tgatgttcta tcttagcctt ctgacagact aggcattgat acacaaactc 360
 actaacgtgt ctctgtatgt tgggccacca aaacatcatc tttaaatctt gatacatctt 420
 ggtagcacca ggatggatgc tcaaattact gctatgtcct tcctctaaga tcatcttntc 480
 aagttcaagc acattgagaa cacaatctt atcttgaagt ctcgaaactt catctgatcc 540
 aacattgaaa ctagtgtccc ttctgactc 570

<210> 8509
 <211> 635
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8509

agcttttaac tcataatata ccagaattat attattttct attagttaat agttgaagat 60
 gaactttata aaatatccat agaggaatta caaccacat gtatccaaat atgacttttt 120
 taaaatgcat agagtttgat aatagttaat aaaacaaatg aaaaggtaaa agtagaacg 180
 aacaggacat gaagagaaaa ataagggtac tgataattaa gacatttgta ttactttttt 240

tatctgcgtt tataagtatt atttattaat atagaataaa tacataaaca gaataacttt 300
tctagcatta actaattgga tgagtgaac taaacgttgt tgggtggttg cgcgcaactt 360
aagtaaactt tacttacaat agaaagttta aatcttctaa atctaaagat tagtctcata 420
attatataga aacattcggg taaaatcttg ctataacccc actccgttta attattaggg 480
taccacggaa aataacaatc caagagttgg gcaaagttta atggatagaa naggaagaaa 540
aaaaaatata tagacatgat gtaacctgga ccaaaaagtc ttacataaga taatatcann 600
ttgtatctta ttcttcagtg atcataagtc cttat 635

<210> 8510
<211> 490
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8510

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gttagtttaa gcttctctta gtatctcata ntttttgcgt accttaatag gatgttttta 120
gacttcactt gaaaaccctt aaaactgaga tngttgcaaa agttaccttt tataaaattg 180
atgttgtttt cgtgaccttc attgaacccc agccacattg gcgtaatcag aatttcaaaa 240
tgacgtctcc ttgaagtaga aacaaaaaac accattttcg tcccttttaa aactgaatgg 300
gtatttgacc caaatgttaa tatcaacctt gcccttgaaa tatatatgtt agtgcttagc 360
tntactgagt tttaaaagat tggctaana tttgttaaaa cataagcact tagacaatga 420
aggaaagctt gagttactgc acatgatgtc taacattatg tcaaggaatc agattgggct 480
gcacaatgca 490

<210> 8511
<211> 618
<212> DNA
<213> Glycine max
<400> 8511

agcttaagct ccttcaactg cacaaggctc ttaatatttt tagagatcct tgtggaacct 60
tcacccgacg aagacactga caaaaaatta tcttctcctt cttggacaaa gtatggcatg 120

ctgggggcaa gtaaattttc ttcccatcag accttggatg caactgtgat cttataccca 180
 tatcagctag atcttgacgg gtattcaagc catccttcgt cttgccttga atgttaagga 240
 gcgtcccaat cacactgtca caaacatttt tctccacatg cataacatca atacaatgcc 300
 taacgtcaag atcacaccag tacggaagat caaagaaaat ggacctcttc ttccatatgc 360
 aactctgact tttatccttc ttttgggtct tcctaaatac agtggttcagg tgttgaacct 420
 gctaataatac ctgctcacca gtgaacggta tcggtgcaat atcatgctct tgacttccat 480
 taaaagcttt tctcagtcgt ttgtaaagat gattgggtgt tagaaagcgg cgatgcctac 540
 tgtagactgt ttttcttcca tgtttcagtg gtatgtaact tgtattttct tcacagatgg 600
 ggcatgcatg atgaccct 618

<210> 8512
 <211> 577
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8512

ccttgtatta atcttgaaac aatacttaac ttttgaatgt ttgttgaagt aatcttgaaa 60
 gcaacattgt tggattattc tttggcatca tcaaatcat gtattcatac attcacaaca 120
 atattaggaa aaatcctttg aaatgacttt cttttaataa tcattgggtt atttatttta 180
 agaaaccctc aaatattaat atttaaactt aatatataca acttttatat ataaatgggtg 240
 tttatatttc tttttatata aaaacattct tcatttattt taatttaaaa gtataaaaat 300
 tatattttta aataataata tgttttattt atgttgggtgc catccatatt tatattcacc 360
 tgtcaaatac agtgattgga caaatcattt gaaatgattt tctttntata attattgatt 420
 ttttatctta naagactcct agatatttaa atttaaatta atatatataa ctttatatga 480
 aagggtgttaa attcatttta tatcaaatac tttattttta tttgataaag atatttctta 540
 acattttgaa tcttttatgc acaataacat attatat 577

<210> 8513
 <211> 545
 <212> DNA
 <213> Glycine max
 <400> 8513

agctttcttg agaaaacttc cttgagattc ttttttgaga aaacttcctt gagaagctag 60
agcttagcta cacacacccc tctcataact aagctcacct ccttgagaag cttccttaag 120
atgattccta aagaagctag agcttagcta cacatacctc tttaatagct aagctcagct 180
ccttgagatg agaagctaga gcttagctac acacccccta taatagctaa gctcaccccc 240
atgagaaaat acatgaaaat acaaaaaaaaa tccctactac aaagactact caaaatgcct 300
tgaaatacaa ggctaaaacc ctatactact agaatagcca aaatacaagg ctcaaacgaa 360
ggaaaaacct attctaatat ttacaaagat tagcgggctc atacttagcc catggggctcg 420
aaatctatcc taaggctcat gagaacccta gggccttccc ttggatctct ggcccaatct 480
actaggagtc ttctatccaa tgcccttgcg gagtaggatt gcatcaagca gtgtcatcca 540
cgtct 545

<210> 8514
<211> 515
<212> DNA
<213> Glycine max

<400> 8514

agcttctcgc ctcttccacc tacattcggg aacttgcagc catcacaatg gccgttaaga 60
agtggcgcca ttatttgta ggccaccct ttgtgattct cactgatcac cagagcttaa 120
gggacctaata gactcaggca gtgcagacac cggagcagca ctagtatctc attcggttat 180
tggtgattcga atatagtatc cagtatcggc caagacgcga gaatggggta gcagacgtgt 240
tatcgagggt tgccggagaa gaagctaagg cctccttgta cctactttca gtacctcaat 300
tctcctttat tggtgacctt aagcatgagc tagccacaca cccagaattt ttgacgttgc 360
tgagagaaaat ctgctaagac ttagcagtag tctctgagta taaaattgag aatggattaa 420
ttcttcacaa gcagtgcatt tggctttcca tgggatcttt catcattcgc gtactcatgg 480
aggaatttca cagcacacca acacgaggtc attat 515

<210> 8515
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 8515

agcttgtgag attttatcat tgggttttctn ttantacacc agaatagata gttggaatca 60
tcaagctttt ctgaaatcga aggaaaagat tgatgtgaat gatgagagga agcggacaca 120
gcaaaattgt tttctgccat tgatgaatcc ttctaagaga ttggacatta tatcctccag 180
gttctgagtc tgtacgaaat gctgttggag ttcttcaaga gattggggca ttgtcagttg 240
atgaacaact cactcagcta gggcagaagc ttggctgtct tcctattcat ccatcaacag 300
gcagaatgct tattttttcc atattgatga tatgtcttga tccagcttta actcttgctt 360
gtgcattcga gtttaatgat ccatttgtgc atcccatttt acctgatgaa aagaagagag 420
cttcagctgc tagatctgag cttggttctt gtatg 455

<210> 8516

<211> 517

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8516

agcttgtgca ttcaatatcc tgatgaggat gttcatatgt tctcaagact ggactaatac 60
atttgttgcc caagtttcat gatcttgcag gtgaagatcc tcataagcat tttaaggagt 120
tccatattgt tttttccacc atgaaacccc ccgatgtcca ggaagatcat atctttctaa 180
aggcttttcc tcattctttg gagggagtgg cgaaagattg actgtactac cttgctccca 240
gggccattac cagctgggat gaccttaaga ggggtgttctt ggagaaattc ttccctgcat 300
ctaggacat tgatcagaga aaagatattt cacgcatcan gcaagtggag agagcttgta 360
tgagtactgg gaaaaattca agaaattgtg tgcaagtgtg cctcaccacc agatttctga 420
gtaactcctt ctacaatatt tctatgaggg acttagcaac atggagaaga gtatgattga 480
tgctgncagt ggtggagctc ttggtgatat gactctt 517

<210> 8517

<211> 560

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8517

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 attctcttaa agatttatgc aataatatgg cttttgtatc tatgattgaa cctaaaaata 120
 taaaagaagc cataatagat gataactgga tcattgccat gcaagaagaa ctgaatcaat 180
 ttgaaagaaa caatgtgtag aaattagtag aaaaacctga aaattatcct gtcataaggaa 240
 caaaatgggt ttttagaaat aaattagatg aacatgggtat aattattgga aataaagcta 300
 tgtttagtagc aaaaaggtat aatcaagaaa aggaatagac tatgaagaaa catatgctct 360
 tgttgcaaga ttagaagcca ttagaatgct cttagcatat gcatccataa tggattttaa 420
 actttatcaa atggatgtta agagtgcctt ttctaaatgg cttaattcaa gaagagggtat 480
 atgttgaaca accnctgggt tttgaaattc cggatacacc aatcatggtt tattaattac 540
 aaaatggctc ttatggtttg 560

<210> 8518
 <211> 597
 <212> DNA
 <213> Glycine max

<400> 8518

agcttcatac atcagaccca cttccagggt tgcgtgattc tacttcacat ggatttggatg 60
 gggcctatgc atgttgaaag ccttgaggga aagagggttg cctatgttgt tgtggatgat 120
 ttctccagat ttacctgggt caactttatc agagagaaat cagaaacctt tgaagtattc 180
 aaagagttga gtctaagact tcaaagagaa aaggattgtg tcatcaagag aatcaggagt 240
 gaccatggca gagaatttga aaacagcagg ttactgaat tctgcacatc tgaaggcatc 300
 actcatgagt tctctgcagc cattacacca caacagaatg gcatagttga aaggaaaaac 360
 aggactctgc aagaggctgc tagggctcatg cttcatgcc aagaacttcc ctataatctc 420
 tgggctgaag ccatgaacac agcatgctac atccacaata gagtcacact tagaagaggc 480
 actccaacca tactgtatga aatctggaaa gggaggaagc caactgtcaa gcactttcac 540
 atttttggaa gtcatgttac atcttggcag atagagagca aaggagaaag atggatc 597

<210> 8519
 <211> 267
 <212> DNA
 <213> Glycine max

<400> 8519

ttgaagagaa tccttgtgga accttcaccc gacaaagaca ctgacaaaaa cttatcttat 60
ccttttttga caaagaatgg caagctgggg gcaagttaat ttttttccca tcacaccttg 120
gatgcaactg tgatcgatg cccatatcaa cttgatcttg acggggattc tagccatcct 180
tcgccgtgcc ttgaatgtta aagagccgcc caatgacact gtcaccaaca tttgtctgca 240
catgcataac atcaatacaa tgtctaa 267

<210> 8520

<211> 498

<212> DNA

<213> Glycine max

<400> 8520

cctttaatct aagctagttg gtaaaggtag acacccttga ggggtgatcc ctgatgacct 60
aaccttagga cctgaagtgg tacaacaaac cattgagaag gtcaagttga tccaagagag 120
gatgagaact acttagagta ggcaaaaaag ttatcatgac aagaggagga aagacttgga 180
atgtgaggtt ggtgatcatg tattcttgag agtcactccg tggactgggg ttggtcaagc 240
attgaaatcc caaaaactca cacctcgttt tattggttct tcctaattct caaaagtgtc 300
ggtcctgtgg cataccatat tgcattaccc ctgtctcttt ctaatcttca caatgtcttt 360
catgtgattg atccatgacc catcttatgt tatcgattta gtgacgtaca attgaaggat 420
aacttgacat atgaaaactt tgcctttgat gatcgatgat tggcaaacia tagctcctta 480
aagggaagga gatttcat 498

<210> 8521

<211> 315

<212> DNA

<213> Glycine max

<400> 8521

agctttgggg tcgatggccc caatgacatt ttttcttttc atggaaaaag gccaaaggggt 60
ggacatgact ttcaaaagat gtggcggaac attgacattg tccgtgtacg cttgacattt 120
atggcatttc cttacatggg cgcagcaatc gctttccata gtgatcttcc tggccatagc 180
atgcccattg gcatgtgtcc caaatgaacc cccgggggact tcctcaatca tgtagtttgc 240

ctccttggca tctacgcac gcaagaaggt catgttcggg tttcgttgg acaggaaggt 300
accactcaca aagaa 315

<210> 8522
<211> 403
<212> DNA
<213> Glycine max

<400> 8522

aacattaaat agcaccgttc acctaactga gacaaaaaac aaaattcgac ccgttggctt 60
caccacggtc cctactacat atccgtcatg tcaaacttaa taatttttcgg ggggacatcc 120
ttcaattttc agcagtacca ccatacagcc ttcagaaga tttaacgaag atcattgcaa 180
acggcttttg gttctccatg gtaacctca ccaacaagaa accttcagct tcctgggtca 240
cccctctgta ctcatctatc tccatcatcc accaaaagca ccatcaaacc aaggaacgac 300
ctgagatcaa tatccagccc atacagatga ttcctgggtca agaccctgtt cctgaaaaac 360
tggatcccaa acgaacaccg ggtgggaaag accctgaaaa ccc 403

<210> 8523
<211> 438
<212> DNA
<213> Glycine max

<400> 8523

ctaatacggt tcaaaatttt tttattttaac acacaagaag atccgactcc agtgtataca 60
aaataatctt attaaactaa agtattacct gttgagaatt gcagatgatt tggcccagag 120
aaaatgaatg acaatgagga agaggagaac attaggaaca agagacagaa gagtataacc 180
agatctttca aacacaaccc aaacagctag tgtgaccaac aatatcccca cagtaagggt 240
ctttcgctc cacagtatta aatctgcaac tgcgttgaag catggcattg attcagcata 300
gattcaaaga tcatgatcaa ttaccaattc attattttct tctgagtctg acccatttcc 360
cattggtact aaatgcaaat aaataactaa aacaaacaag cacaggcgca gcccatatag 420
ctatttcaca gttaaaaa 438

<210> 8524
<211> 467
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8524

agcttgagat gaggaagtgt gaaaggggta tcagtttgaa aaactgaggg gcaagctggg 60
catttgctctg ctagaagaat tatagcagct actggtatct gaacgtgctc aaacgtctca 120
cttaacatta atagcacgtt cactactgag ccaaaacaaa ttcgaccgtt gcttcacacg 180
ttcctctaca ttcctcattc aaacttatat tttcgtggta atctcatttt cagcataccc 240
caacagctct cagagattta cgaaatcatt ccaaagctc tgcttctcca tggctacctc 300
accaaaagaa acttcagctc ctgggtcacc ctctgtacca tcatctncat catccaccaa 360
agcaccatca aaccaggaac gacctgaatt caatatccag cccatacaga tgattcctgg 420
tcaagcccct gttcctgaaa aactggttcc caaacgacaa caggggag 467

<210> 8525

<211> 406

<212> DNA

<213> Glycine max

<400> 8525

agtattacct ggtgagaaat gcagatgatt tgggccagag aaaaagaatg atcgtgggga 60
ggaggagaac attggaaaca agagacagaa gagtataacc agatctttta aacacaagcc 120
aaacagtttag tgtgaccaac aatatcccca cagtaagggtt cttccgcctc cacagtatta 180
aatctgcaac tgcgttgaag catggcattg attcaacata gattcaaaga tcatgatcaa 240
ttaccaattc attattttct tctgattctg accccatttc cattggtact aaatgcaaca 300
taataactaa aacaaacaag cacaggcgca gcccatatag ctattccaca gttaaaaaca 360
ggtcccaaat ggacataaac aacacaccaa gggaaataaa agaaaa 406

<210> 8526

<211> 246

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8526

agcttgagaa tggaggattg ccttgagggtt tttctttttt gcaagcaagg aacacaacgc 60

caaaactcaaa aatggaggaa cacaagaaag acaacgccac tnaatcatgg ggctccgaaa 120
aaaggttaaga atggaggaat tgcttgacgg tccactctta tgccgccatg gaacgccggg 180
gccatactca aaagtggagg accccacgaa cagcctaag caatagcact cagcgggcc 240
caaaaa 246

<210> 8527
<211> 329
<212> DNA
<213> Glycine max

<400> 8527

aacgctggtt ctacctcaaa accccttgaa ctacttcaca ttgaattatt taatccctct 60
agaactatga atttaagcgt aaattactat ggcttagcaa tagtggatga ttactcaagg 120
ttcacatgga ctttggtttt gaaaacaaaa aatgaagctt ttgaggcttt tcgcaaactt 180
gccaaagatga ttcaaaatga aaaaggtctt aacattgttt cacttggaag tgatcatgga 240
ggatgaatttc aaaatgagtc cttttaaaac ttttgagaag aaaatggaat tcaccacaat 300
ttttctgccc aagaacacct caacagaat 329

<210> 8528
<211> 434
<212> DNA
<213> Glycine max

<400> 8528

agcttttgca agctggaatc atttattcta ttttcgatag ccaatgggtg agtcctgtcc 60
aggtagttct gaaaaaaacc ggccctaccg tcatcaaaaa tgagaaggaa gaggttgattc 120
ctaactcgggt gcagaacagt tggagagtct gcatcgacta taggaggctg aaccagggtta 180
ccaaaaagga ccattttccc ctgccattca ttgaccagat gcttgaacgc ctggcaggta 240
aatctcacta ctatttcctt gatgggtttt ctgggtatat gcaaatcatt attgcttctg 300
aggatcagga aaagaccaca ttcacctgcc ccttcggcac ttttacctat aggaggatgc 360
ctttcggcct gtgcaatgcc cctggtacct ttcagcagtg catgatcaat attttttagtg 420
attttttaaa aaaa 434

<210> 8529

<211> 534
 <212> DNA
 <213> Glycine max

<400> 8529

agcttaataa aaatgtagt aggttgatgt tttttttacc ccaatttctt ataaacagag 60
 taaggcatca aattaatggt agcacctaag ttataaaatg ctctatcaaa ggacaagttg 120
 ccaatggcat aatctccttt aaaaatttgg cataacttcgg catttcagca attgcctcaa 180
 caaaaggaat gttaacatgc aattttctta acatttcaac aaacttatca tcctatttag 240
 acctctgatc atgatactga aggcttatgc aaatgttttg attttgattt taattttgca 300
 ggtgatgaga cttgtacaca ttttggttct gactctaacc ttgcctttga tctctttgct 360
 ttttccaaga gaagtttagg taatgtctcg acccttggtt gtaggtatta aagtagggct 420
 ataaataata cttcttccac caacatagtt aacttcctta gggccctgat gtattggcag 480
 cctacaaatc acattttctt attccccaca cttcctaaaa aacaaaaggg tggg 534

<210> 8530
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 8530

agcttggttca cataggtaaa agaatagggt ttttctacat gttgaataat gaacatgcat 60
 catttcatga acttagttgc ttggtaagta agattgatga ttcttggtta tgacatcgta 120
 gggttgcaca ataaacatgc atcatcttaa tcatctagtt aaaaaggact tagtaattgg 180
 tattttgaaa ctcaagtttg agaaaaataa attgtgtgaa gcatgtcaaa aagggaaca 240
 agttaaaaat tattttcaaa gtaaaaacgt tgtttctact tcaaaacccc ttgaactact 300
 tcatatagat ttatttggac cttcaagaac tataagttca agtggcaact actatggttt 360
 agtaattata gatgattatt caaggttcac ttggactttg tttttgaaac caaaaaatga 420
 agctttggat gcttttcgaa aacttgccaa a 451

<210> 8531
 <211> 464
 <212> DNA
 <213> Glycine max

<400> 8531

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tcttaaacgc atacggcaaa tgcgggtctta tccaagacgc actccaactg ttcgacgcat 120
tgccccgccg agaccccgtc gcatgggcct cctcctcac cgcttgaac ctctccaacc 180
gccctcaccg cgccctctcc atctcccgct cctttctctc caccggcttc caccgacg 240
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aagggaaaca agtccatgct cgcttcttcc tatcaccctt ctccgatgac gacgttgta 360
agtcttcttt gattgatatg tacgcgaaat tcgggttgcc cgaataccga cgtgccgttt 420
tcgactcctt ttcttccttg aatttaattt cttggactac catg 464

<210> 8532

<211> 388

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8532

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ccgttcattg atggtcggca agtatgatgg tcttaatgaa gatcctacac gtatttcggg 120
tgtatctcac aggcggtttt aaaaaacctc gcgaattaac ttgggggtacg ggtgtagttt 180
tggtgtgatt gactgcatct tttggtgtaa ccgggtattc cttaccttgg gatcaaaatg 240
gctatggggc aggtttaatt gtagcagacg atcccgactc taagtttgtc ctctgatgct 300
attggccttt gctctacttt atgatctttc aactgggtaa cccaatttt ttgatgggga 360
gcttttgaaa aaatgtgtta ttttcccc 388

<210> 8533

<211> 487

<212> DNA

<213> Glycine max

<400> 8533

agcttccttg agaaactacc ttgcgaaatt tcttttttta tctgccttga gaagctagag 60
cttagctacg cacacgcctg taataattaa gctcacctgc ttgagtagct tccttgaaaa 120
gcttccttga gaatattcct agagaagcta gagcttagct acacacactt ctctagtatc 180

taaacacacc tccttgagat gaaaactaga acttagctac acacaccccc tataatagct 240
aagctcacc ccatgccaaa atacatgaaa atacaaaaaa gtccctacta caaagactac 300
tcaaaatgcc ctgaaataca aggctaaaac cctatactac tagtatggcc aaaatacaag 360
gccc aaaaga aggaaaaacc tattctaata ttacaaaaga agagtggacc caaccttggc 420
cgatggtcgc agaaatctac cctgagcttc atgagaatcc tagggccttt tttagtagct 480
ctagctc 487

<210> 8534
<211> 305
<212> DNA
<213> Glycine max

<400> 8534
cttctggggg gacatcttga cttgctttcc taactgacat tcaccacaga ttctggcttc 60
ttctattttc agattgggaa tgccctaac agcaccttg tcaatgattt tcttcatgcc 120
tcttaagtgc aaatgtccaa atctttgatg ccatatttg acttcatctt ctttggagga 180
tagacatgtg gaggagtaac tggattcttg aagtgtccat aggtaacagc tgaactttga 240
taagctgccc tttcttagaa cttcggtcct tccatttgc acctagcatt ctgaatttgg 300
aagtt 305

<210> 8535
<211> 407
<212> DNA
<213> Glycine max

<400> 8535
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tgtaccatga gaggacaaag cacatagatg cgaaactaca ctctatgaaa gatgtgattg 120
aatctgagaa ggtgaagggtc gataatgttt caacagaaga aaaccgggt gatatgttta 180
caaaatccct ctctagtgtc aagttcaagc actgcttggc cttgataaat tttgaggatg 240
cctaaagcag attggtagaa gtgcacccct gaatcgcaag ataagcactt gttgatttgg 300
agtcaagggt gagatttgtg gtgtgtgact caaaatcaca aatggcacia gtgggaagac 360
tttaagaggt gctattctaa cttaaattcag ttatgataac cgaattg 407

<210> 8536
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 8536

agcttagtaa agctaagcac tatcaatctc cccctttggc aaattttgtc taaaacatac 60
 ttagacactt cctgagcagg tacgagcagt tatgccagt ggatcagcaa ctttcattat 120
 caaagcaaac aaccacaacg ggatgtgtaa gggcgacagg aaaattctgc aagttgcaag 180
 tcggtttccg gatgtcaaga catctcacgt gacatcagct ttttgcctcc cctgactcca 240
 tgctcttact gctgtgaagc aggtcactgc agcatcttct atcagctact agtcttttcc 300
 aggatgtcaa gacatctcat gtgacatcag ctttttgctt cccctgtctt catgctcgta 360
 ctggattttc tatcagctac tagtttcaat agcttacat 399

<210> 8537
 <211> 284
 <212> DNA
 <213> Glycine max

<400> 8537

ttgagcaaat tcaaacgaca ataacttttt acacggattt ctgattgagt cccgtaatat 60
 atcgagacgc ttgaaattga ataccgaagc tctgaggatt ttcaaacgac aataactttt 120
 tactcgaatg tctgattgag tcccgttaata tatcgagacg ctcgaaattg aatgttgaag 180
 ctctcagcaa attcaaacga caataacttt atactcgaat gtctgattaa gtcccgtaat 240
 acatcgagac gctcaaaatt gaatgttgaa gctctcagca aatt 284

<210> 8538
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 8538

agagcgtctc tgtatattac ctgactcaat cagacataca agtaaaaagt tattatcggt 60
 tgaaaatcct cagaacttcg gtattcaatt tcgagcgtct cgatatatta cgggactcaa 120
 tcagacatcc gagtaaaaag ttattgtcgt ttgaattagc tctgaggttc agaattcaat 180

ttcgagcgtc tcaatagatt acgggactca atcagacatc cgagcaaaaa gttattgtcg 240
 tttgaattag ctccagagctt cagaattcaa tttcgatcgt ctcaatatat tacaggactc 300
 aatcagacat ctgagtaaaa acg 323

<210> 8539
 <211> 275
 <212> DNA
 <213> Glycine max

<400> 8539

tagcattctc atcaatggct ttatacttga attcttcacg ctaaacgccc acttgcacga 60
 cccacatcga gtgaaacgcc tcaacaacca tgcccatagt ttttatcaac cttggcccct 120
 gtctattgat ggagtgaccc ttctgcacca tactgtcaaa caactttaca ccgttgctca 180
 actccatgac cagaagcacg gccgagaaat cctcgttctt cacttacatg cagacaatgt 240
 tggcgagatc cgacaaagag cgcattatat gaatc 275

<210> 8540
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 8540

ttgaatgctc tattcaatgg agttgacaag aatatcttca gactgatcaa cacatgcaca 60
 gtggccaagg atgcatggga gatcctgaaa accactcatg aaggaaacctc caaagtgaag 120
 atgtccagat tgcaactatt ggccacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180
 tgtattcatg acttccacat gaacattctt gaaattgccca atgcttgacac tgccttggga 240
 gaaagaatga cagatgaaaa gctgggtgaga aagatcctca gatctt 286

<210> 8541
 <211> 284
 <212> DNA
 <213> Glycine max

<400> 8541

tgtgcctttt cacgtctttt atatgaatgt agcatataga tccaaagacc cttaggtgct 60
 ttgttgatgg cttcttcccg atccaagctt caattggagt cttgtctttt acagacttag 120

ttggacatct gttgagtatg taaacagcag tgtagactgc ttcagcccag aatgtgttag 180
 gtagtccctt ctccttgagc atcgatctag ccatctccat aactgtgcga ttctttctct 240
 cggacactcc attatgttga gaagaatatg cgactgtaag ttgt 284

<210> 8542
 <211> 331
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8542

actttgatta tccttctgat acaatgctgt caagaatgaa gattggatga aacctcaaaa 60
 gaaatcttat tattcacctt acagcttgga agaatgctga ttatccattt ttgttttttt 120
 ntttttctt gaagcagtag ttctaggtcg tctcactttt ttcaaaatgt ttttcattat 180
 taagaaaagg taacgaagat caaattcgag cttgttttat agtccaggag acttcacttg 240
 gggattatt ctgcaccctt atcctgagat ctatataatg aagggaacca aaaagtacca 300
 cagagttgga ccatggaatg gtttgtgttt c 331

<210> 8543
 <211> 281
 <212> DNA
 <213> Glycine max
 <400> 8543

tgtaatcgat tacacacata ctgttatcga ttatcagagg agtttttcca gaaaacattc 60
 tcaacagtca catcttttta tctgtttctt aaatggccat caaaggctta tatatatgtg 120
 acttgagaca caaattgaac aagatttttt cagaacaaaa aggtcttatc ctcttaaaaa 180
 gcaaaattgt ttcatcctct taaaaattcc ttggccaaaa cacttgtgat tcaataaggà 240
 attatttgag tgcgcaaatt gttcaatcta tctctttcaa g 281

<210> 8544
 <211> 362
 <212> DNA
 <213> Glycine max
 <400> 8544

agcttttgaa atgatttcta tacaaaagtt agtcgtataa agcgactaac aaatcttcag 60
 taatatcccg ccaaaccag aaaactccta atctcaaaca cagacttaag actctccac 120
 ttaagtacaa cttctatctt agaaggatct atatctatac tgccttagga tatcacatgt 180
 cctagaaaac taactttatc taaccagaac tcacacttgg acaacttagc ataaagttgt 240
 cggttcctaa gggtttgcaa cacaatcctc aagtgtctct catgtcctt tctagtcttt 300
 gagtatacca aaatatcctc tatgaaaact accacaaaac tatcaagata ggggtgaaag 360
 at 362

<210> 8545
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 8545
 agcttcccag gatctttcat ttttgaaatt tttaggtaga aaatcttctg ggtctcctgt 60
 aagaagccta tatctctgtt agcaagcagt atatcatcg catataatac taagaatatg 120
 tatttactcc cactgaactt atgatataca taatcatcaa ctacatttgc ctcgaaacca 180
 tatgaggtaa tgacttgatg gaacttgtaa taccattgac ggaaagcctg tttgagacca 240
 tagatggatt tcttttagttt gcataccatg gactttgagt cacctaacac aaagttttct 300
 ggttgacca tataaatcgt ttcttcaatg tcaccattta gaaacgcaat cttgacatcc 360
 a 361

<210> 8546
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 8546
 tcgaacctct gttggagttg tcggttggtg ccaactccata accgactcca ccttggtcgg 60
 atccaccgca acccgtcct tagaaatcac gtgccctaag aactgcactt tctccaacca 120
 aaagtcacat ttcgacaatt tggcgaacaa cttcctgtcc ctcaggatat gcaatacaat 180
 cctcaagtgc ttctcatgct cctccttatt ccttgaatac actaggatat catcaataaa 240
 cacaaccaca aactgggtcca agtaatcatg gaatatacgg tt 282

<210> 8547
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 8547

agctttttat tctaattcag ttttccatga gaggacccta atgtctgaag tttatgggat 60
 taagaagggtc attgaccaat ccttatttta tgatttaaca aaattaccta gtgaagggtgt 120
 gcctttttgag ggtgcactaa ttgatgattg gaaattcgat ttttctgtgc atgatgcccg 180
 ccggttggtt ttcaacaacc aagcggatat gaccgaaagg cttcttgccg gatcattggc 240
 ttttgaaagc cacatcctcc attaccttat tgttcgcac ttactcccta gatcttcaaa 300
 ccttgctcag gtttctaaag aagatctcat tgtcatgtgg acctttcat 349

<210> 8548
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 8548

ttgagtttct ttgagcagat gttgaattat ggttgcatc caaattcaaa tacatgggag 60
 attctttctg agggccacat tgcagataag aggatttctg aagccatgtc ctgcttgaaa 120
 gaagctttta tggctgctgg tgggtcaaag agttggagac caaagccctc atacttgtct 180
 gcattccttg agctttgtca agagcaagat gacatggaaa gtgctgaggt ttaattgga 240
 cttctgaggc agtcaaaatt taataaaagt aaagtttatg catct 285

<210> 8549
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 8549

agcttgctga tatgatcga ttttgagcat aaccacatca cctgggggggt actctacttc 60
 tcttctttta gcattcga tgggtctcat tttctcctga gctttgagaa gctttttcct 120
 aattgtttga aatattccct cctgtctgt cagcatttca tcaacgacat tgagtttga 180
 tgatcctgag agatattccg aaaaattgaa tggcttgagg ccaaatgtga tttcatatgg 240

agtcacccct cttcctgcgt tccatgaggt gttgtgagac cactccaccc agagaaggaa 300
 ttttcccat tgttttaggtc tgccatggac g 331

<210> 8550
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 8550

aactagatgc atgggttact tgggaaccca gctggccttg aatcaaaaat ctgtacctat 60
 cgcaaagggt tgtggtttgt gctcctttgc tgaccacat acagacctt gcccttccat 120
 gcagcaacct ggagcaattg agcagcctga agcttatgct gcaaataatt acaatagacc 180
 tcctcaacct cagcagcaaa atcaaccata gcagaacaat tatgacctct ccagcaacag 240
 atataaccct ggatggagga atcacctaa cctcagatgg tccagccctc agcaagagac 300
 cagagcctcc attcagagct taaccaatca gatgggacaa ttggctaccc 350

<210> 8551
 <211> 289
 <212> DNA
 <213> Glycine max

<400> 8551

tccgttggtc aattttgagg tactcgatat attatgcgcc agaatcgaac atccgagtga 60
 aaagttatga ccatttgaat ttctcgagag cttccgttgt tcaatttcga gcgtctcgat 120
 atattgtgcy cctgaatctg acctccgagt taaaagttat gaatatttga atttcacgag 180
 agcttccgtt gttcaatttc gagcgtctcg atatattatg cgcttgaatc tgaccaccga 240
 gtgaaaagtt atgaccattt gaaattctcg agagcttccg ttgttcaat 289

<210> 8552
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 8552

taggagagga tgtaaccgaa gtcacaaaag gagatgtggt tgttccaatt ttcttacctg 60
 attgtgggga gtgtatagat tgcaaatcaa gcaagagcaa cctttgttca aagtttcctt 120

ttgaggtgtc tccttggatg cctagacatg ccacctctag attcacggat ttaaaaggag 180
 atatcataca ccatttcttg tttgtgtcta gtttttagcga gtataccgtg gttgacattg 240
 ctcatctaac caagattgat ccagcaatac cacccaacag 280

<210> 8553
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 8553

tccatcatgg gctaagtttg atttatgtag ggctgctgtc tattggaaaa ccatgaatgg 60
 cctccctcct tcttcagtaa gtataaaagt attgagttaa ctcttagctt gttacttaat 120
 caattacctt ttagtaaaaa aatttacaaa ttttggcagg gagaaaagct aaaacttttc 180
 tataatccag ctgcaactca acttgctcct aatgaagaat ttggaattgc ttttaatgg 240
 aatttttgca atgtcacttg gttgccc aaaatgtcattt tccat 285

<210> 8554
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 8554

agcttggccc atttgctcca accaattatg cattggaagg atcagttgct atcgccggag 60
 ctgcagtgca gtggcttaaa aacagccttg gcatcatttc tagtgcttca gaaatagaag 120
 agatggcatt acaggttgaa tccactgttg gggtttggat tgtttgctcc atgggtggcgt 180
 gaggatgtc gcgggggttg tattggaata acaaggttta caagcaaagc tcacattgct 240
 cgagctgtgc tcgagagcat gtgtttccaa gtgaaagatg tcttgattc aatgcataaa 300
 gattcacgag aaagtgaatc ccaaaagaag tttgtgctta gattggat 348

<210> 8555
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 8555

agcttattga tttttgtatc taacatttta gtctttaaag gcttatccat ccttcccttg 60

acctctggga agtgtttgag tcttaagcag ctaccaaacc aaaggtattc gagagatgac 120
 aaatagattg tcggcacaaa actttggagt tgagtgcagt ttttagcact tacgacaaca 180
 aggttagtga gatgcccacac ttatttatga atgctaacca gattctcgca tccattaagt 240
 gccaatcttc ttaaattcat ggactagac acataaggaa atttagtaac catacgacaa 300
 taagataaat tcatgtaagt caaacttttg caatgatgta taaagaaaa 349

<210> 8556
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 8556

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 ttctgcccac gtttcatggc cttgcagggt aagatcctca taagcatctt aaggagttcc 120
 atattatttg ttccaccatg aagccttctg atgtccaaga agatcatatc tttctaaagg 180
 cttttcctca ttctttggag ggagtggcaa aagattggct atactacctt gctcccaggt 240
 ccattttcag ttgggatgac ctttaagaggg tggtcttgga 280

<210> 8557
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 8557

tgaatcggac atccgtgtga aaagttatga ccatttgaat ttgtcaagag ctaccgttgg 60
 tcaatttcga gcctctcgac atattatgca cctgaatcgg acatccgggt gaaaagttat 120
 gagcatttga atgtctcgag agttttcgat gattaatttc cagcgtatag atatattata 180
 agcttgaatc ggacatccgt gtgaaaaggt atgaccatgt ggatttcaca agagctttcg 240
 ctgttcaatt tcgagcgttt caacataaga tgcgcccga tccggac 286

<210> 8558
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 8558

agcttataat atatcgatac gctcgaaatt taacatccga aactctcggg aaattcaaatt 60
 agtcataact tttcacatgg atgtccgatt cgggcgaata atatgtcgag aggctcgaaa 120
 ttgaataacg caagctcttg agaaattaga caggtcttac tttcacacc gaagctctcg 180
 tgaaagtcatt atggtcataa cttttcacac tgagggtccga ttcagggtta taatataatcg 240
 atacgcgcga aatttaacat acgcaactct ctataaattc aaatggacat aacgtttcac 300
 acggat 306

<210> 8559
 <211> 290
 <212> DNA
 <213> Glycine max

<400> 8559

tcaacattca attacgagcg tctcgatata taacgagact caatcagaca tccgagtaaa 60
 aagttattgt cggttgactt tgctcataac tttatcattc aatttcgagc gtctttatat 120
 attacgggac tcaatcagaa atccgagtaa aaatttattg tcgtttgaag ttgctctgag 180
 cttcaacatt caatttcgag cgtcttgata gattacatga ctcaatccga catccgagtc 240
 aaaagttatt gtcgtttgac ttggctcaga actttaacat tcaatttcaa 290

<210> 8560
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 8560

agctttgagg aaattcaaac gtctatacct tttgacacgg atgtcggatt gagtcacgta 60
 atatctcgag acgcttgaaa ttgaataccg aaactctgag caaattcaaa cgacaataac 120
 tttttactcg gatgtcggat tgagtcacgt aatatgtcaa gacgctcgaa atagaatacc 180
 gaagctctga gcaaattcaa acgacaatac ctattgactc ggatgtcggg ttgagtcacg 240
 taatatctcg agacgctcga aattgaatac cgaagctctg agcgaattca aacgacaata 300
 actttttact cggatgtgag attgagtcac ataatatgac gaga 344

<210> 8561
 <211> 284
 <212> DNA

<213> Glycine max

<400> 8561

tgaaaaaata gtgggcatca tgcaagatgg tctacttaag aagtttaaac tcacatcctc 60
tattagcaca aacaacatgc atctatttga cacagaaggg aaaattaaga aatatgagaa 120
tccagaacaa agtacaacct ttatcatgtt aagttttgaa taagatcaat taacaataat 180
gtttcacacg ctactatatt tatgtgattt cttatgcagt tcttgaagag ttcttcctcc 240
ttcggctgaa gtattatgag agaaggaagg tgagttttgt gttt 284

<210> 8562

<211> 281

<212> DNA

<213> Glycine max

<400> 8562

tggagaatcg tctcttcaac aatatgattt gaagacaatt gaagtaattc aaagaaaact 60
ctttctcatg aaattgagat taattcattt tatttgttgt gtttttgtgc aggaaaacca 120
ctttcttggg aactcgggt taaaatgggt atcagtgcag ctcggggatt agctttctta 180
cacagctcca acaaccatgt catattcaga gatttcaagc ccttaaatat actacttgat 240
gaggttagtt attttttgtt agttgatttc tcacgatgga a 281

<210> 8563

<211> 289

<212> DNA

<213> Glycine max

<400> 8563

ccttgagaga ggtcctatag agcctccctt gtcgtcggag gcaaagtatt gaccaattgg 60
tgagagagca tagagtctct ctctcacacc atcttcagtg gtgcgaatgg agcaattgag 120
aagagagtaa cttgccaaca ccggcaatat gcgttcaagc ctattagcca attgagggtg 180
tggttttggg agcaaagaag caatctcaga ggctgacaaa gtcgaactct ctgccttgtc 240
tatgatatca aacaaattca gatcaacagc agcgttcaag attgccgga 289

<210> 8564

<211> 290

<212> DNA

<213> Glycine max

<400> 8564

taacaatcag tgtcatacta ttgatcaaaa catagcaggt ataaatatgc aatactagac 60
tcaaaatatg caacaaacac tagacctaaa tcagtgtcac agaaattgga agaaaatatt 120
ttatccaagc acaaacttca agccttattc catgtattgg ggggaagtta tggctggcca 180
tatgggtaga ggtgtcatag aggagcaggt atggaggaag ggaccttga ctgctgaaga 240
ggacaagttg cttgttgagt atgtcaggtt gcatggtgaa ggcagatgga 290

<210> 8565

<211> 283

<212> DNA

<213> Glycine max

<400> 8565

ttgagccaat tcaaacgaca ataacttttt acttggatgt ctgattgact ctcgtcacat 60
atcgagacgc tcgaaattga atgttgaagc tctgagcaaa ttcaaacgac aataactttt 120
tactcagatg tctgatatag tctcgttaata tatcgagacg ctcgaaattg aatgttgaag 180
ctctgagcta attcaaacga caacaacttt ttacacggat gtctgattga gtcctgtcat 240
atatcgagac gctcgaaatt gaatgttgaa gctctgagcc aat 283

<210> 8566

<211> 340

<212> DNA

<213> Glycine max

<400> 8566

agcttcaaca ttcaattttg atcgtctcgt aatattacgg gactcaatca gacatccgag 60
taaaaattta ttgtcgtttg gattggctca gagattcaac attcaatttc gagcgtctca 120
atatattacg ggactcattc agacatccga gtaaaaagtt attgtcgttt gaattagctt 180
agagcttcaa caatcaattt cgagcgtctc gatatatcac gggactcaat cagacatccg 240
agtaaaaagt tattgtcgtt tgaattggct cagagcttca acattcaatt tcgagcgtct 300
cgatatatga caggactcaa tcagacatcc gagaaaaaag 340

<210> 8567

<211> 280
 <212> DNA
 <213> Glycine max

<400> 8567

tgcacatcaata taacccttta attttaactc agaatctctc cataagtgag gaactcgtct 60
 ttagttcttc tcaagtactt aagaatggtc tgaagtactt ttcaatgttc ctcaccgagg 120
 ttactggat attgactagc tgcacttagt gaataagcaa cattaggacg tgtacaaatc 180
 atgatataca tgatagctcc cactgcgctg gcatatggta ctctagtcac gcattctttc 240
 tcttcacatgag ttttaataata ttttgtaaga tgacccttgt 280

<210> 8568
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 8568

agcttttctgt ttggcataac tatatcagcc aaatctattt caggtgtatt gtttggagca 60
 caaaagttat attaaacatt tgtgtacaaa agctgacaag caagatgtca cagtagttat 120
 atgtccactt tgtgccaaag gagttcgcct agttcctgat caagatccaa acataacttg 180
 ggagaatcat gtcaacaccg agtgcgaccc atcgaattac gagaaagtca caaagaagaa 240
 aaaatgcctt gtccctggat gcagagaaat attagtattc tcaaacacaa ttaagtgcaa 300
 ggactgcaca gtagagcatt gtttaaagca 330

<210> 8569
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 8569

agcttgctaa cccatggaag ctccataatat ctcccacact ttttgggggtg ggccattctt 60
 ggatggcctt gattttctca aggtccactt ggaccccatc tctaccaact acaaaaccta 120
 agaaaactat attatctaca caaaaggtag acttctctat atttgcatag aggggtgtttt 180
 tcctaaggac tgaaagaact tgtctgagat gtccctaagt atcatctagg ctctactat 240
 aactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc ctttaagacat 300

gatgcataag cctcataaag gtgcttggtg cattagtgag cccaaa

346

<210> 8570
<211> 343
<212> DNA
<213> Glycine max

<400> 8570

agcttatcac cctgacccca tattgcataa acttcttcac catgagcagc ctcatcacct 60
atctccatat cctctttaa aattctcaat ggaaaaaaga tccgaatgaa ggtgacaaaag 120
ataacaaaga taatcccaag gatttggact ccatttgcc tgaagccggt gctgagcttg 180
ttggaaccga aaccataaaa gaaaacaacg tattgagcat catgtccata gaacaaccgg 240
ttgagtcttg gatcagcaaa gagcccagtg aggagtcctc ctatggtttc tgcaatggca 300
tgagtatgga aactgccat aatatcatca accttctgca gta 343

<210> 8571
<211> 339
<212> DNA
<213> Glycine max

<400> 8571

agctttgctt ctacatagag gtttaagaat aatcttctga tcatggtgct ggaaagaaat 60
cttggttggtg aatcatgcac tgctttggtg taatactggt atggtcttcc caacaatata 120
tgagtcacct ccattggaac tacatcacac atcacctat cattgtatct tccaatgggtg 180
aaacacacct caactgcta agtcactttt acctcatcat cttcactaag ccaactgaagt 240
ttgtatggcc taggatgtgg cttaatatcc aaattcagtt tgacattaac ctggaatttg 300
caacattggt acaacttcct ctatcaacaa ttaaagaac 339

<210> 8572
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8572

atactcggat gtccgataga gtctcggttat ttatccagac gtcceanatt gaaagcagaa 60
gtccttagca aatcatatg acaataactt attctcaaat gtccgattga gtcccgaat 120

atatcaagac tctcgaaatt gagaacagaa gctntgagca atttcaaacc acaataactn 180
 tatagtcgaa tgctctattg agtcccgtaa tatatcgaga tgctccaaat ngataatgga 240
 agctcgtaca aaattcanac gacaataaca ttatacacgg atgtctgact gagtcccgtg 300
 atatatcgag acgctccana nnttgaaatg gaagctcgta ccaattcaaa cgacaatnaa 360
 cttttac 367

<210> 8573
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8573

ctgcagctgg attccttttag tagggaatct atccttccta agatggagcc aaaccagtc 60
 accctcatta agaaactagc tctttcttcc tctattgcct ntagttgaat acacctttgt 120
 ttggttctct attaggttct taaccctctc atgcaacttc ttacaaaatt ctgacctaga 180
 ttcccccttct ttatgtataa aagaagtgtc caatgggagg ggaatgaggt ctaacagtgt 240
 taggggattg aacccataga caatctcaaa nagggactgc ttggtggttc tatgaaccn 300
 ncttgtgtan gcanattcta catgaagaat atactca 337

<210> 8574
 <211> 286
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8574

tggagaagag agtgattgtc gagtcacaac gtcaggtaga cgtcatctct atcctccagg 60
 aaggatcatg catatagtcc ctactgcaca tttgtctgan aatattccta attcacatca 120
 caatgtgtct gatgagaaac atgtctacct atatgaaacg cctagagatc tgtatggaaa 180
 gctcagactn tctagaggga tgatacttga tcatatgacg aaccagtatc tgaagatgtt 240
 acaacaatta atcaatcaac tagagaaaga cagcttcaaa tatcgt 286

<210> 8575
 <211> 280

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8575

actcggatgt cggattcaag ttcataatat atcgagacgc tcganattga ataatggaag 60
ctattgagca attccaatgg tcataacttt taacttcgga agtccgatga ggcacataat 120
atatngagac gctcgaaatt gaacaacgga agctctcgag aaattcaaatt ggtcataact 180
tttaactcgg aggtcggatc gagacgcata atatatcgag acgctcgaaa ttgaacaatg 240
gaagctcttg agcaattcca atggtcataa cntttaactc 280

<210> 8576
<211> 264
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8576

tttgatatag cgaagaattc gtgttacggc cttaagatga gtagtggttg gagtctncat 60
gtattggctt atgagtcag tagcatatag aatgtcaggt cttgtgcacg tcanatatca 120
caaactaccc accanacgct tgaaatttgt agcatccacc ttgatgcttt gtcaaacttc 180
aataacttca ttttgcactc caccgggtgtt ccaattggct tatagctatc catcttgagt 240
ttcttgagca tcttcttcac atag 264

<210> 8577
<211> 269
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8577

tcagactgat ggccaaactg aacggaccat tctgtcgttg gaggaacctt tgagggcgtg 60
tgtcttagag canaatanga gttgggagag ntttctgcc a ttgatagagt tcacttataa 120
aaatagttnt cactctacca ttggcatggc tccctatgaa gctctgtatg gtagaaagtg 180
taggacacct ctatgttggc tagagcccgg agaagacctc accttatgat ctgaagtgg 240
acaacaaacc accgagaagg taaagtgt 269

<210> 8578
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8578

gcggaagtat atgtaaatca cacccttaga tttgaanact cagacaagcc taatcatgnt 60
 tttagaatta aaaaggctnt atatggctta nagcaagccc ctaaggcttg gtatgagcat 120
 tngagtaagt tcctttttaga aaaggatttc tcaagaggca aagtagatac tactatnttc 180
 ataaagagaa nattacatga tanntttatt ggtcaacatt atgttgatga ataataattt 240
 ggatctanct aatgaatatc gtgcaaggaa ttctctcatg acatgcanag tgagtttgaa 300
 atgtcaatga t 311

<210> 8579
 <211> 328
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8579

agtatccttg tggaaccttc acccgatgaa gacactgaca nanacttatt tntgccttct 60
 tggacaaagt atggcaggct gggggcaagt aatatttctt cccatcaaac cttggatgca 120
 actgtgatcg tatacccata tcagctagat cttgatgggt attcaagcca tccttcgtct 180
 tgccttgaat gttaaggagc gtcccaatca cactgtcaca aacatctttc tncacatgca 240
 tatcatcgat acaatgtcta actgtgagat cagccagta cggaagatca aagaaaatgg 300
 accttttctt ccatatgcaa cgctgact 328

<210> 8580
 <211> 364
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8580

agaagctaga gcttagctac acatacctct cttatatcta tctcacctcc ttgagatgag 60
 aagctagaac ttagctacac acccncatata atagctaagc tcaccncat gacananaac 120

atganaatac aaaaaaaaaa atccttacta caaagactac tcaaaatgcc ccgaaataca 180
aggctaaaac cctatactac tagaatggcc aaaatacaag gcccaaacga aggaaaaacc 240
tattctatat attacaaaga taagcgtgct catacttagc ccatgggctc gaaatctacc 300
ctaaggctca tgagaaccct anggccttcc ctnggatctc tagcccaatc tacttggagt 360
cttc 364

<210> 8581
<211> 171
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8581

cactcggatg cgatcaggtg cataacatat cgagacgctc gaaattgaac aacagaagct 60
ctcgagaaat tcanatgggc atatactttc acatggatat ccgattctgt ggtataatat 120
atctagacgg tctaaattga acaactactc gatatattaa atggcataac t 171

<210> 8582
<211> 302
<212> DNA
<213> Glycine max

<400> 8582

acttctttct tcgacttata ttctttaaat ttgtgttttag atcttaagaa tgagtctttt 60
attctctggg atatcacaaa tgaattctgt atcttaatta tattgtccac attctcgaga 120
tggacacata cagataccat ggccactcca tgtctgatcc tggcagcaca taccgtacac 180
gtgatgagaa ttctgggtga agacaggtgt attactataa tcatagataa atgtcctatg 240
tgtaattaa tattgaggag tatactctat ctctgttata atctcctgtc caatctgatt 300
at 302

<210> 8583
<211> 234
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8583

ttgagcgtct cgatatatta tgcngcctaa tcggacctcc gagtgaanag ttatgaccat 60
 ctttaataact caagagcttc cattgttcaa tttcgagcgt ctcgatatct tatgtgcctg 120
 aatctgacct ccgtgtgana agttatgacc atctgaatnt ctcgagagct ctcgttgntc 180
 aatttcgagc gtcttgatat cttatgcgcc tgaatcggac ctccgagtga aaag 234

<210> 8584
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8584

gctatgctga nataatntaca atagaacccc tcaacctcag tagcantatc naccacagca 60
 gaacaattat gacctctcca gcaacagata caacctgga tagaggaatc accctaacct 120
 cagatgggcc agccctcagc aacaacaaca gcagcctgct ccttccttnc aaaatgctgc 180
 tggcccaagc agaccatata ttctctccacc aatccaacaa cagcaacaac cncagaaaca 240
 gccaacagtt gaggccctc cacnaacctt cctcgaagaa cttgtgaggc aaatgactat 300
 gcagaacatg cagtttcagc aagagaccag agcctncatt cagagaataa ccaatcagat 360
 gggacaatng gctaccaat tgaatcaaca acagtcccag aattctgac 409

<210> 8585
 <211> 306
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8585

gcgtctcgat atatgacggg atctaatacat acatccgagt naaaagatat ggctcgnntga 60
 ataggctcag agcttctaca ttcaatttcg agcgtctcga tatgttactg gactcaatca 120
 gacatccgag taaaaagtta ttgctgtttg agttggctca cagcttcgac attcaatntc 180
 aagcgtctcg atatatgacg ggactcaatc agacatccga gtaacaagat attgtcgtct 240
 taattggctc agagcttcga cattcaattt caagcgtctc gatatatgac gggactcaat 300
 cacaca 306

<210> 8586
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8586

acatgataga gagactcatc ttggatacca accttgtgct acaacaattg cagcaagacc 60
 cactatccat aatgagagaa taatcttttg ttaacacctt gcatcttgta tgaaagatgt 120
 tttctctttg gggttgggtt aggtcacaag aatgactccc aatgagccat ctctccatta 180
 gaagatcacc ttcttcgtag gggcaaacct cttcaatatg ctcacacccc ttggcttcac 240
 cctcacttcc acctgaggaa ggagaagaag tagccttctc ttgactactg tagatgtctt 300
 gatccacat gatcatgggt ntctttgtag tggcattgag aaagaatgtg gccttctcca 360
 atacattnta agcacttaat ggtactagtt ctatctt 397

<210> 8587
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8587

tttcttataa ttgttntttc ccttattaca tctgtcaagt gccaattagg aaagtttcta 60
 tatataccaa gtgtgctata aagatatttt agtaactatt atatataat tcctagaaaa 120
 aatgtcaaac aaacacatan ttttaattant tttaggcgta tgaaaaaatat ttttggctat 180
 ttttaatagt taatcaaaca catttgtata atgatatttt catatcttat tccccaaaat 240
 aatattcttg agaactaata acattttctg tganacanat tcntccttan aattcttaat 300
 ttataaaaac tatntaaaaa ttaaattata tgtntatata atgtatagta cgagtatttg 360
 acttataaca ataatttcat aaaaactgct gatattcttg agatttcctc atcacataat 420
 aatatatttg aaacatatat aatataatat ctgattttat cca 463

<210> 8588
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 8588

tgctaactat gtatggcana acttattact ggtgtcaaga catacaagtg atctngtata 60
natcttctac actgggagtg atcacctgca gtcctcttga acccttacca cccactctgt 120
catcatgccg agactcanga agcccaacag gtttagcctt ctctaagtat tctgaacaaa 180
attcaatggc ttcttctgca atgtacctct caacaataga tgctcttggga cgatatagat 240
tctntgtata ccnntttaag atcttcatgt atggctcaac cgggtacatn caccgtagat 300
aaacaggacc acaacatttg atttctctga ccagatgcac aatcaagtga atcatgat 358

<210> 8589

<211> 486

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8589

tgcttatatt catcgntatc gcagcaattc tgattattgn tatgtacgct gtctgtcccc 60
tttctncaat ttatagtttc ttcccatttt cttgtantag acctttgtgg tcctttatga 120
ccaccaaca ataatagaat ggacaatcaa agcagaaacg taactattat atataaaaaat 180
tctcttaaac aataattttc ttattaaata taatgcaatt attataaaaaa ttattattat 240
gtgtgtattc attacaattc ccatcattgg ttagaanaat aattngtann acatagnaaa 300
natcaatatc canatgatga aatcttagtt taatacatta atacttgtgc taatcattag 360
tatactattg attatattat aataataata agagtataaa cactttaatt taaataaatt 420
gatgcytcaa tagaaaatac tgttgaatga acaaatcgat ataagactta ttaacatacc 480
ttatat 486

<210> 8590

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8590

gcgatctctg agtcacctgc ggcattgcaag ctngagaata tcaatgcgtc anagtcgcta 60
accaatcacc ttngtttgaa gatggagttg tatcaactca naatggagat gggaggagat 120

ctccatgacc acatcaacaa gttcaatcgg ctagtaagtt aactgttgaa tgtggatgat 180
aaattctcta atgaggagcn aagcgcctct gtgttggtct cactaccaaa gtcttccaaa 240
gctttggttc anacgttgct tgtgggaaga tcaactttga atntggatga agtgactgtc 300
gctcttagag aanatgatga gaatngaaaa tgtngatgat gaacacaatg caatagctgt 360
gatggaatct gagcgaggga ggaatcattc aaggagacat gatggtct 408

<210> 8591
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8591

atgtgacatt cacttggggg gaaagataaa gcaagccttt gctttgatca aagaaaagct 60
caccaaggca cctgttctag ctcttcctga ctnttctaan actnttgatc tacaatgtga 120
tgcctctaga gtgggtgtgg aagctttatt gntgcaaggt gggcacccta ttgcttatnn 180
tagtgaanaa attcatgggt ccaccctcaa ctaccccacc tatgataaag atatttatgc 240
cttaataaga gtctccana cttgngaaca ttatcttgtt ncaanggaat tgcattcata 300
gtgatcatga atacttaaat aca 323

<210> 8592
<211> 251
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8592

gtacctgtng caaggggttg tggtttgtgc tctctgctg accaccatac agacctttgc 60
ccttccatgc agcaacctgg agcaattgag cagcctgaag cttatgctgc aaatatntac 120
aatagaccta ctcaacctca gcagcaaaat caaccacagc agaacaatta tgacctctnc 180
agcaacagat acaaccctgg atggaggaat caccctaacc tcagatgggc cagcccttag 240
caacaacaac a 251

<210> 8593
<211> 305
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8593

tgcattacca aaatttcatt ntccctctaa tctatataac tccactntca accctgcaag 60
aaaaatcttt tgaatccatg gcacccatag agacaagaat tttcttaagc tctggaatgt 120
gataaacttc aatcaattnt ctaacaacac catcatgcat tctgatttgt atagaacca 180
taccgataaa catacaagga gcttcgttac ccatgaggac gttaccacca gacttcttct 240
cacatgtcat anaccaatgc ctgtgtcgac acatattgta agaacaactn gagtccaata 300
cccat 305

<210> 8594

<211> 290

<212> DNA

<213> Glycine max

<400> 8594

ctcctctgct gactaccata cagacctcg cccttccatg cagcaacctg tagcaattga 60
gcagcctgaa gcttatgctg cacatattta caatagacct actcaacctc agcagcataa 120
tcaaccacag cagaacaatt atgacctctc cagcaacaga tacaacctg gatggaggaa 180
tcaccctaac ctcagatggt ccagccctca gcaacaacaa cagcagcctg ctccttcctt 240
gcaatatgat gctggcccaa gcagaccata cattccttca ccaatcccac 290

<210> 8595

<211> 350

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8595

tgtccggtta aagtctcacg attgtcacgt gttcatgcta caattgttag acgtggctat 60
acgagacatc ttgcaaaca aagtcagggt aacgataact cgcattgtgct ttttcttcca 120
ttctatatgt agcaaagtca ttgatccagt catgtttgat gagttggaaa atgaggccgc 180
aattatactg tgccagttgg agatgtattt tccccctgct ttctttgaca tcatgattca 240
cttgattgtg catctgggtca aagaaatcaa atgttgtggt cctgtttatc tacggtggat 300

gtactcnggt gagcgataca tgaagatctt aaaagggtat acagagaatc

350

<210> 8596
<211> 414
<212> DNA
<213> Glycine max

<400> 8596

cccatttccct gaactcatgt tttctggtgg ggttttttgt cttataagaa tgaaagagga 60
gttggtggtg caagaagggt accttttcaa aaaaagagac gaagctcaca gtgctcaaaa 120
catccctctt cttcaacagt gatggcttcg atgtctacga ttgcaagggc aaactcatct 180
tccgctttga ctccatgggt cccccgcac gtgacaagga cgagcttggt ctcatggatc 240
cccatgggcg atctcttttc accctccgtc gaaaggatca atttctttcc ctctcttttg 300
gtaacaaacc cctattcagc atgaagagat cgtcgatcat cggaaagtct atgacgaccg 360
tggccattga tgtgtacgat agccccattg tggaatacct ctttgaaggt gctt 414

<210> 8597
<211> 448
<212> DNA
<213> Glycine max

<400> 8597

aaaacaattt ttttttttgt ttcccttaga tatagatatg gctatgtatt ggtacattat 60
tgttattgca attacaatat aaaatgctat ggtagtaacg ctgattattt gtgtctttta 120
actaacaact ctagctggga atgggtactg cattgtctac actttgtgga caagcatatg 180
gtgcaaaaga atatggcatg atgggagtgt atattcaaag atcatggata gttttgtcct 240
taactgcact ttgtcttctt cccctgttga tcttcgcaat cccaattttg actctcttag 300
accaggatga gaccatagca caagtggcag gaaccatttc cctttggaca attcctgtct 360
tgatctcttt tattggtcga ttcactaccc agacattcct acaatctcaa agcaagaaca 420
ttatcattgc attcttggcg gctttttc 448

<210> 8598
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8598

tcaagctgat tctatttcca attatatcgg agattgaaca ttactttatg aaagcatcta 60
tttgggtgcag cattccgttt tctgttgatg acatatcgaa atcaatggag cagatagata 120
tcgcagatat agagcccccg cctctaattc gtgaaaactc tggcttttagc tttttgttgc 180
cacgcccaga ttgatagctt ttgggtgcaga ttgatccac cggatttctt acccacctcc 240
atgggtattac caagtcacaa caagtcagtg cttgaaattg ttgactttgg ttgtgtcaaa 300
aacaagtcag tgtattaaac ataccaaatt tacatctcag tgatggatga canaaggtag 360
atagatcatc acgtcgtgca agtagatttt tgggctgaca gtaaaaggga gtaatatgt 420
tatatgggcc ttttctatga agtttcactc attttt 456

<210> 8599
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8599

ttactatgca aggaataaac aaggaaaatt cttcatctg tcttttctta aattttccta 60
ggttttcttt accattgttt aatacaaac atttgcattc aaaaacatga agatgtgaaa 120
tgttgagttt tctaccatta aacagttcat atggagtttt ctttaaaatg ggtcttatta 180
aagccctatt catgatataa catgcaatat taatggcttt agcccaaaaa tattttggaa 240
gaggagtgtc attcaataaa gttctagcaa tctcttccaa agacctattt ttcctttcaa 300
caacacaatt ttgttgaggg gttctaggtg cagaaaaatt atgttcattg ccaagtntt 360
cacaaaataa attcaaactt tttattttca aattcacccc catgatcacc tctaatagat 420
attaatttga gattttccta tttgaataac ctttgcaagt tcctaaatgc ttg 473

<210> 8600
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8600

ttgaggattt tcaaacgaca ataacttttt actctgatgt cttantgtag tcccgaatat 60

atcgagacgc tcgaaattga atgttgaagc tctgaccaaa tgcaaacgac gataactttt 120
 tactcagacg tctgattgag tcctgtaata tatcgagacg cttgaaattg aaagttgaag 180
 ctctcagcaa attcaaacga caataacttt tttactcaga tgtttgattg agaccgcgcat 240
 attattgaga cgatcgaaat tgaatttgga agctctgagc taattcaaac gacaataact 300
 ttttgctcgg a 311

<210> 8601
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8601

agcttggaac gataaagaca ttcattggtt ctgtcngcaa tnnngnatcg cgaaccactt 60
 gatccaatca gtggtgagaa gattggaaaa gtaaggccaa ttgcaccaga agactcgatc 120
 aatatagccg gcctctccca agtacctgac ggtgtagctt cgtggcacgt tgctgttagc 180
 aagtttacag attcgccgtt gctttctgca gcattgccag tttgggattc ttctaataaa 240
 agcattgagg cagttgtggg tgtcacaact gcactttaca gtgtggtgca gctcatgaaa 300
 gagctagttg agacgcatag tgggcacatg tatttgacct cccaaaaggt tacttacttg 360
 caacttcac anatgctcct ttactattaa attcta 396

<210> 8602
 <211> 459
 <212> DNA
 <213> Glycine max

<400> 8602

tgtcaaggag tgtgaaacaa tgctggacca ctttttcctt gtttttatcc tgctccagtt 60
 tccactgaga caactcccca agctgaaagt tttgatcctt caacttcaac cactaccaag 120
 agtgaagggt tgggtgattcc gaaggaatta gctgagatcg agtacatgga gagcctttat 180
 atgaagagta ctgtatcagc ctttgcatgt tttgcaggaa aattagaagt ggaagctcaa 240
 cagttagcat tgttcattgc caccggtgaa gataagtggg tcagataaaa aacatggaaa 300
 aaaatccttg tctggaacaa gcaccaagta cctgctgggt tacgtgctga taatgtagag 360

gatagctttt cccatctatt ttcttcttta aatcgacgcc tttgtttgca cccttaaadc 420
tacacgatgt agaagctaag gaaaaatggg ttaatttat 459

<210> 8603
<211> 346
<212> DNA
<213> Glycine max

<400> 8603

tataatatat cgatacgctc gaaattaaac atcggattct gttgatatta ttcaaattggc 60
cataactttt cacacggatg tctgattcga tcgcataaga tgctcgagagg ctcgaaattg 120
gacaacagaa gctcttgaga aattcaaattg gtcataactt ttcacacgga tgttcgattc 180
gggcgcataa tatgtcgaga cgctcaaaat taaacaacgg aagctcttga aaattcaaatt 240
gggcataacc tttcacaccg gtgggtccaat aaggcgcatc acatattgag acgcttgaaa 300
atgaaccacc gaagctcttt ggaaattaaa atgggcctaa cttttt 346

<210> 8604
<211> 432
<212> DNA
<213> Glycine max

<400> 8604

tctgcttatg agtgcacaac tctttcaaga atttttcata tcttggaatt tgctttattg 60
catccagcag aggtatgttt acctctactt ttctaaattt ttccaatatt tcctttctctg 120
tctcttccat ttttttggtg gaaattgctc ttggaggga tgggaagaggg atatgctact 180
tctgtaaatc agaattacca gtggaagatt cacctgcata gaacttgta ggtaactttt 240
taaatttttg tcatcatctt tttttggagt agagtgagat tgggcagggt catttgcgga 300
tgaagaagat gttgctggtt gaggttcttg aactgcttt cccaacctta atgtaattggc 360
actcacattt ttgggattct ggacagattg agaaagaatc tgcagaatt ctgcgactgt 420
tgttgattaa ct 432

<210> 8605
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8605

agcttttctgg tgggacatct tgacttgctt cncatattctg acattcacca cagattctgc 60
cttcttctat tttcagattg ggaatgcctc taacagcacc tttgtcaatg attttcttca 120
tgcctcttaa gtgcagatgt ccaaactctt gatgccatat tttgacttca tcttctttgg 180
agaatagaca tgtggaggag tgactggatt cttgagggtg ccataggtaa cagttgtcct 240
ttgatctgct gcccttcatt agaacttcac tcttctcatt tgtcaccagg cattctgact 300
ttgtgaagtt tacattgaat ccttcacac acaactgact gatgctgac aagttcgcag 360
tcagtcctt caccagcagt act 383

<210> 8606
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8606

ttgaatgctc tattcaatgg agttgacaag aatatcttca gacttgatca acacatgcac 60
agnggccaaag gatgcatggg agatcctgaa aaccactcat gaaggaacct ccaaagtga 120
gatgtccaga ttgcaactat tggccacaaa attcgaaaat ctgaagatga acgaggaaga 180
atgtattcat gacttccaca tgaacattct tgaaattgcc aatgcttgca ctgccttggg 240
agagaggatg acagatgaaa agctgggtgag aaagatcctc agatccttgc ctaagagatt 300
tgacatgaaa gtcactacaa tagaggaggc ccaagacatt tgcaacttga gagtggatga 360
actcattggt tccttcaaac ctttgagct 389

<210> 8607
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8607

ctacagcaaa tgccactcta ctccaagttt ttaaaggata tgtttatcaa ggaaacacaa 60
gtatattcac caggaaaata ttgttgtgga aggaaattgt agtgatgtga ttcaaaagat 120
ccttcacccc aagcataaag accctgggag tgtaaccatt ccttggtcaa ttggagaagt 180

cattgtgcga aaggtcttta ttgacctgng agccaatatt aacttaatgc caatctccat 240
 gtgcagaagg ttgggagagt tggagatcat gccactagg atgactntac agcttggtga 300
 ccgctccatt accagaccat atggagtaat tgaagatatg ttgggtcaaag taaaacattt 360
 tatcttcccc gaaaactttg tggtaatggc tatctgtgaa gatataacat tcatgtaatt 420
 ttgggaagac ccattcatgt aactgcaagc tgcatagtgg atatggggag aaagaagctg 480
 gaactgggct ttg 493

<210> 8608
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 8608

tcaagaataa tggccttagc aaaaatttta ttcccagaag attatctcta taaataggcc 60
 tcctattttt aatggagagg gttactacta ctggaaaatc cgaatgcaaa ttttcattga 120
 ggcaatagac ttaaacattt ggtaagccat agaagttgga ccttatgtac ccaccatggt 180
 ggctggtaat acaacaatag agaaacctag agaagagtgg tctgaagaag aaagaagatt 240
 agtgcagtac aatttaaagg ctaaaaacat cattacttct gccctaggaa tggatgaata 300
 ttttaggggtg tcaaattgta agagtgctaa agatatgtgg gacactctac aagttacaca 360
 tgaggggaaca actgatgtca aaagatctag gataaatact ctaactcatg agtatgaata 420
 ttt 423

<210> 8609
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8609

tgacattaat agtttgaata tatttattac ctaaaaagtt ngttttttat ttattacatt 60
 tacttgacaa attataattt tgtttattat tatctaagat ataccattta ccgaatttca 120
 attttaaatg ggtgactaca agttgtataa aattcaccat ttccatcatc aaagatttca 180
 ttttaaactt tgagtaactt ttatgaatat aaaattatgt tttattactt atttacttca 240

ctttctagct tcaaagtatc tatcagaaaa ataatcaagc cataaacaaa taaacgaatc 300
aagcccaagc ttcatatatt ttaaccaact caagttgaag ttttaaattt gttcagttta 360
aataaacgag tgaagcttga gtaaccatt ttcttcacaa ggcaaacctt aacttttagct 420
cagctaaact tgtttacacc agtgaatgcg ggtggagaaa aatcatg 467

<210> 8610
<211> 590
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8610

tgaactcttg cacctccttg aagttcaacc atgctttctt ttacttttg cttcataaac 60
cttcttttgc ccaccatctt ttgctccaa agtgatggtg tacaaggtag cagaaaccac 120
ttgctgtttt gcacttacta ccttttcaaa ctccaaaagg gcattctgca taaccattaa 180
caattcaata aaaataaaat agaagtcata tttaaattcc cttaccacaa aatgaaaaga 240
taatagaaac ccactagtgt ttctataact acaaagaata aaaaattaac ttcattattg 300
aaattggcgc caccaacctt tttattcctt gacataatga acatgcaa ntgtcgaac 360
aatcaattga ttttttttgg ctaacaaaan attatgggga ggagggaatg gccagtaga 420
caacagaaaa aagcctctag gctcaaagaa catntataca naaacttaca tataccccac 480
tccanataaa caaatgangg ttcaaacctg cnatctata gatgcaagat tntgtcttac 540
tctactcaat gaatcctttg atgttccaca atcaatatat tagtgcttaa 590

<210> 8611
<211> 353
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8611

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gcacaaccaa aaaatacagn cttcccatga ctattcatal ccacaaaaat cccaaatggc 120
atttcataag aattgacctt gtatggagta tcaaatacaa caacatcacc atatttttgg 180
taccaatcag agcaggaagt atgagaccaaaa aaatatgct ctaaccttct ctcttcataa 240

gtgtatatgc atcctgaaat ttagagccac ttttttttgc atccttacag accttgaaaa 300
gaactttgca tcattttttt caactttttt ttttggttcc acaaaaagat tac 353

<210> 8612
<211> 484
<212> DNA
<213> Glycine max

<400> 8612

tggagaaggt ggatttggaa ctgtgtacaa ggggctattg gattattatg aggtagctgt 60
gaagagagtc tctaagaact cacgccaagg gaagcaagaa tttgtggcag aagtgacaac 120
aattggaagc cttcaccata ggaatttggg gaaactcaca ggttgggtgct atgagaaaaag 180
agagcttctc cttgtgtatg agttcatgcc taagggaagc ctagacaagt acctcttttg 240
tgacaaaact tttggtaaca acacccttga agaggggtgt tcttcaacac tgacttggga 300
aacaaggcac agtgtgattc atggcgtggc tcaagcatta gactatctcc acaatgggtg 360
tgagaagagg gttcttcaca gagacatcaa ggccagcaac ataatgttgg actcagacta 420
caatgccaaag ttgggagact ttgggatgtg cagaaccatt cagcagagaa atgaaacaca 480
ccac 484

<210> 8613
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8613

acctaatac aacctcatct atgaagggtt tttttatttt tcaggaccaa ttactttatt 60
tcaagggtcg tctattcaat acctgatcat agcttcaagt ctagaaacat taacaagggt 120
ttatgtgaaa tctatgtctt tctgggtggg aaaagccttg agctactaac atagctttgn 180
tccttactac cttatcttgt tcatccaatt tatntctaaa tgcccatctt gttcccaaga 240
tgctnttggt ctcaggcttg ggaacaagca tcttgacatc atttccagtg aactagtgga 300
gttcttcttc cattgcaata atccaaatat tatatgtgat tatttcattt atcatcttaa 360
ggctctatttc aaacatgaaa gcataagaca taagatctta aatgatgat ctggntttga 420
ctccttcagt ctgatcttaa taatct 446

<210> 8614
 <211> 603
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8614

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agccttcacc ttcaattggc tgtttaatta ntttaatgct atgnnnaatn ngaacatatt 60
gactaatatt ttacgatgta taagaataag gcttactgta ttatatatat tccaagtaaa 120
caaacaagta aaataacaca catgtcattg caatgttcgt gatgataaag gttttctttt 180
taaattttgt tctgatttta atttctatta gatattcaag tgtgttacta ggatatgttg 240
gcgtttggtg ccaaactgtg cactttctct ctctctcgt atatttcttt taaattctaa 300
aatttagtaa tttcacttaa attttcatgg atttgagaaa ttaatttttg cctctagtag 360
tttaaaaaga attaagaaaa gatttcactc actttttcaa caaaaattgg caaatagttt 420
gacttccaaa aaggaaagaa agtgtaaaaa attaaaacat tagactttaa acttgtgcc 480
tacacattgg ttgggctaaa acaaagtttc aaatagaacc ttttcctga caaacaattg 540
ggaccctttt tttactaat aaaaatttaa taaaattttt catattttat ttaaaattat 600
ttt 603

```

<210> 8615
 <211> 507
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8615

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gctagggcca tgtactctgc ttcagttggt gctctatcaa aaactgattg ttgatttggt 120
ttccaattga ttgctgtacc aaacaaagta aacacatata ctgttaaaga tttccttggt 180
tttacatttc ctgcaaaatc tgcactctaca tagcctgtga ttgctgcctc atgtgttggt 240
ttcttgtagc ttaatccaac tttcaaagat ccatttagat accttagtgt ccacttcaca 300
gcttcctagt gtgcactgcc aggatctccc atgaatctgc ttataatact tacaacatga 360
gccaaagtcag gtctgtgca aaccattcca tacattatgc ttccaacacc actggcatat 420

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nggtgttgat ccattttaga cctttcttca gcttggtttt gtgcttgaat aacagatagt 480
 tttgtatgat gaccaagtgg tgtgcta 507

<210> 8616
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8616

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 tacttgttag gccactcttt catcatattg acggatcaca agagtttgaa ggagctaattg 120
 aattaggctg ttcanactcc agaacagcat aaatatctcg cacgattact gngttttgat 180
 tatgtaatcc agtatcgagc aggggaagagc aatatcgttg cagacgcatt gtcccgggtca 240
 acacctgcct cattattcat tatctcagtc cctcacttcg tcttctctga cgagctgcga 300
 agggagttgc aggcaaatcc agcgttcatg 330

<210> 8617
 <211> 593
 <212> DNA
 <213> Glycine max

<400> 8617

gaaacaccca tttggttcca attggcttgt gagaggcaga ttgaaggact aaatcccact 60
 cttcattcct tttaaactga tttagttctt tatgcatagc caacaagcaa tgttcgtcat 120
 gcaatgcttc atctatgttt ctaggttcaa tttgaggaac aaattccatg ttattgcata 180
 aaattctaag tctagatcaa gtggatactc tcttagatat ttcacctatg atgttgtcca 240
 aggggaggtc tcattgagtt cctcattcct ttgggaggtc tttatgaggt gtggttgtga 300
 tttccttatt ttgttcaaga tccttaacct tggtttcac tccaagtga atgttcttat 360
 cctgaagacc tatacttcca tcttccaaag cattttcttt gaatagagag ttatgttcat 420
 cacacacaac atgtatagat tcttccacac ataatgttct tctattaaac gctctatata 480
 ccaccttgcc ttccaatgaa taaccaagac aaaatgcctc atcagctttt gatcaaaatt 540
 tcctagagat tcttttccat tgtttaaaac aaagcattta cattccaaaa gcc 593

<210> 8618
 <211> 551
 <212> DNA
 <213> Glycine max

<400> 8618

tgtgtcgcac tttcaactgc cgaggctgaa tatataattg tttgaagttt atgtactcaa 60
 agtcttttga tgacgcaaca acttaaagac tttggagtta tcttcaatca cattcctctt 120
 aaatgtgaca acacaagtgc tattaatcta acgaagaacc caattatgca ttctagaacc 180
 aagcacacag aaattaggca tcatttccta agagatcatg tgtctaaagg tgactgttgc 240
 attgagttca ttgatagtga acatcaatta gtagacatca ttgatagtga actaggcata 300
 ttcgatgcat ctagcataga atgacatctt atttgcataa ggggtatgtt cactttgtca 360
 ttcatatcat tagtctttgt ttggtagtg ttttagctta gtgattcatg tgcattctta 420
 gtttggttga atatcacatg tttttcttag tcattttgta atttcttgct ggtataattg 480
 attacctggt catttcaatc gaatactata tgatttctgg ttggtaagtt gttcaaaact 540
 ttttgtttta a 551

<210> 8619
 <211> 452
 <212> DNA
 <213> Glycine max

<400> 8619

agcttagcag attatcagca tctttgttat tgaaatttcc ttggtggggc tcagtccaat 60
 accacttcaa ctcatcttca aacacagccc agttaaagt cttcacaacg aagttaacaa 120
 agtcctcatt gtcaatgttc attctactga tgcagtgtcc aattgggaaa tcattctgtg 180
 tttgtataac ttttaccgag gtgtagcat agctgccaga gtccagtcca gagaatttca 240
 ggataacatc acgtttacga atctgcagtg cagcaagtac gtataaatta aaatatatat 300
 aaaaataatg caaatcatct catattctat caatgaaaaa tggatcatgt aatattaaga 360
 ataggcacag aagtcttgaa catacttaac ttcatgcaac attatttact ggcatgaaaa 420
 atttgttttg tcacaaaaaa aaatatgcct tt 452

<210> 8620

<211> 404
 <212> DNA
 <213> Glycine max

<400> 8620

agctttgagc aaattgaaat gacaataact ttatacacgg atgtctggtt gagtcccgta 60
 atatatcgag acgctccaaa ttgaaaacgg aaactcttaa aaaattcaaa cgacaataac 120
 tttttactcg gatgccccgac aaagtgtcgt catttatcga gggatgctcc aaattgaaaa 180
 cggaagctcg tatcaaattc aaatgacaat aactttttac tcggatgtct gattgagtcc 240
 cgtaatatat cgagacgctc aaaattttaga tccgaagttc tgagaaaatt gaattgacaa 300
 taactttata cacggatgtc aagggtggagt ctgtaatata tcgagacgat gcaaatttga 360
 aaacggaagc tcggaagaaa attcaaaaga aaataacttt ttac 404

<210> 8621
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 8621

agcttcatgc ttaactatgt atggcaaatt ttcattacta ttggtcaaga catacaagtg 60
 agcttgaac aaatcttcta tacttggagt gatcacctgc agtctcttg aacccttacc 120
 acccactctg tcatcatgcc gaaactcagg aagcccaaca ggtttagcct tctctaagta 180
 ttctgaacaa aattcaatgg cttcttctgc aatgtacctc tcaacaatag atgcttctgg 240
 acgatataga ttctttgtat acccttttaa gatcttcatg tattgctcaa ccgggtacat 300
 ccaccgtaga taaacagaac cacaacattt gatttctctg accagatgca caatcaagtg 360
 aatcatgatg tcaaaaaaat aggg 384

<210> 8622
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 8622

agcttcttag tctcagatga tgcagctgag ttgtatcta cctcatgcac tcctctaagt 60
 actatggcat catttctggc gctaaactgc tgagagttgg aattcatctt ctcaattaaa 120

tttctagctt cagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180
 cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ctctgaaatc 240
 tgatggtgag ggcaactggc gcataatddd ttaaatacgt cccagtactc atacaggctc 300
 tctccactga gttgtctaat acctgaaaaa tccttcatga tggctggggg cctggaagca 360
 gggaaaaatt ttttctaaaa atac 384

<210> 8623
 <211> 521
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8623

tctcgttcta tatnntaatn tnatatttct tcaactgtatt ctaatatggt attcatttnt 60
 ctgggtactct tagacataaa tatgagttgt gagttttctg ttatttatat ttttaactac 120
 ttcaatgatt aatttatcag acactntata attaataata gttgttcaat tattagcttc 180
 angacttcag ttactaatta gttgtatcga acatantcct aaatgctaatt attgtctgta 240
 ctaggaatgc tagcaacatt tctttaacna tatctgtgta attgatggan nattntaaat 300
 taagaagaa tcataaatga ggagaatgac ccatcaaaat agatatttct ctataatata 360
 tntaatcaat acgaacaaga gaagtttgan agatgaaaag agtcataatc caatataata 420
 cttatttaaa gtacatatat ctcatctact aataatgtga tgtaattta attcttaaat 480
 aatgtcatcc tatatattaa aatgggtacta gtatacat g 521

<210> 8624
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8624

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 ggtgagatta aaaatgtagt tttcattatg agtagctcta gttcccctat ccctgatggg 120
 ttcagaggcc acttctacca caggtagtag gaaattatct caaagggtgt ctataatddd 180
 gtccttcaac ttttttcaaa agaattggct tctccttgga tttaaatcaa acattttttg 240

cctttattcc taaatttcca taagaggata gaatagagaa cttcagaccc actgctctgg 300
 gtaatttcca atttaagatt atctctaaaa tcgtcacaag tagattggcc tanattactc 360
 ctaagctgat ttttaata 377

<210> 8625
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 8625

agcttgccctc catcgcgcca ggggaattat cgtatcaccc tcttgccatc cacagctgcg 60
 gtgaacgtac gtccataccg gtaccctcat tttcagaagg ctaaaatcga aaaaaaattg 120
 cagaattgct ctccgcgggc ttcatacggc caagcacgag tccatactcg tctctgggtcc 180
 ttttggtgaa gaagaaggat ggaacctggc acctatgtgt cgattacagg tccctcaacg 240
 ccgttacagt ctgagatagg ttcccgatac ccactatcga caaactattg gaccagctgg 300
 gtcacgcttc ttggttcact aaactcaa 328

<210> 8626
 <211> 493
 <212> DNA
 <213> Glycine max

<400> 8626

gcttgaggcc ttggatcttc ttcatttatg aaatcatttg cttcttgaag atcatggaag 60
 tggaatggag aaggaagaaa gatgattgga gacgccactt caaggagaag ataagtgtag 120
 aagctcacca ccataggaag ccatagataa gagcttgaag gttgcagaag atgaattgat 180
 ggagagggag acaaggagca tgaaattttg tgcctcaaaa gaggtttgaa ctttgaggtt 240
 taatttcaa atgatcaaag ttgaaaaaat gcacacacat gacctctatt tatagcgtaa 300
 gtgtcaaaca aaattagagg ggaatttgaa tttctattca aatttcactt gaatttgaaa 360
 ttgaatttgt ggagccaaaa tttcactaat tatgattagt ggaatttagc tatggttcaa 420
 ccactaatc caagatcaag tccaagaatc ttcactaagt gtgcttaagt gttatgaagc 480
 atgtaaaaca tga 493

<210> 8627

<211> 308
 <212> DNA
 <213> Glycine max

<400> 8627

agcttgaatc ggacctcagt gtgaaaagtt atgaccattt taatttccta agagcttccg 60
 ctgttcatta tcgagtgtct ctatatgtga tgcgtcttaa tctaacatcc gcgggaaaag 120
 ttatgaccat ttgaatttct caagagcttc cgttgttcaa ttccgagcct ctcgacatat 180
 tatgcgcttg aatcggacat ccgtgtgaaa aggtatggcc atttgaattt gtcaagagct 240
 tccgatgttt aatggcgagc gtatcaatat attataaccc tgaatcggat atccgtggga 300
 aaagcttt 308

<210> 8628
 <211> 271
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8628

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 ctgtagatca ccatacagat ctatgtcctt cnttgcagca acctggagtc aatgagtaac 120
 ctgaagctta tgctgcanac atttataata gacctnctta gcagcaaaac caatagcagc 180
 agaataatta tgacctttca agagacagat acaatccatg ttggaggaat catccaaatc 240
 cgagatggac angttctcca caacaacaac a 271

<210> 8629
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8629

agcttgaat. ggtccttggt gtagagcaca tgttttatat caccgtanaa tggatgaatg 60
 tcgtcaagcc gggggaactc gtcgattatg gtggagagct tgcgtgaaa attctgctga 120
 gtatacttca ctttgcgcac gtagaattgg cgcagccgtg aaatcgcata tcctttgtgc 180
 acaacggttg gtgtctgacg ctgggtgcga gagaggataa tgctgaccac atgcttccca 240

tttggcacca cggtaatctt cttaaaattg tactgaacca tegtgtctta tcaaccttgt 300
 tgccacagaa aattaagaaa aagggactat aagagtaaaa catgataaag tccgcggagc 360
 tacataattt gagatcccaa ttgaaagctg agagaaaata aaaagcgatt atgtgaatg 419

<210> 8630
 <211> 657
 <212> DNA
 <213> Glycine max

<400> 8630

agcttgtgac tctttgagca aattgattta acaagcaatt tattgtttct ttattaaagc 60
 tagacaatga aagacacgtg ggtgatcatg accattttta ttagagtggg aaggagggtg 120
 tttaaaacca ttctaaacaa ctaaaactaa aaatataaaa taatcatttt ttaattgttc 180
 ttttaattaaa ttttcagttt ctatatatta tttaatcaga atccagccac actaaaccaa 240
 acccttatta tatttgtaat attgatttgt aatacttatg tagtagtagt gttttaaact 300
 ttttataata gtagcttata tgtaatttta tgtgttgaac gtttaagtta tattaaagaa 360
 aaaatgattt atttgggttt tatcttattt ttttttgggt tatcttcatt ctttatctat 420
 taaaaagctt aaattaatta tttattctat ttttatatta agtttagtcc tttaccttta 480
 aaaaatttat tttggctaata taatttgtgt ttctttcaaa tttttcgcta tttccctcta 540
 cttcaatttt aacaattttt ttaatgatta acaatatcaa tcttaaatca gccacccaaa 600
 tatccaaatt ctacccaaaa ttatttaaata ctaagaacct taaggggttg cttttgt 657

<210> 8631
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 8631

agcttgaagg taaactagaa gccttgggtt acctgggaac ccaactggcc atgaataaaa 60
 aatctggccc tgctgccaaa ctctgggggtt atgctcctct accgatcacc acacagacct 120
 ttttccttct atgcaacaat cttaaagccat tgaacaacct gaagcttatg ctgcgaacat 180
 ctacaacaga ctttctcaac ctacagcagca aaatcagcca caacaaaata attatgacct 240
 ctccagcaac atgtacaatc ccggatggag gaatcatccc aaccttagat ggtcgaatcc 300

GenBank accession number: U00096.1
 Organism: Escherichia coli
 Accession: U00096.1
 Date: 1998-07-01
 Size: 4,639,697 bp
 Type: whole genome
 Project: Genome Project
 Author: Blatt et al.
 Title: The complete genome sequence of Escherichia coli O157:H7
 Journal: Science
 Volume: 282
 Issue: 5422
 Pages: 1917-1921
 Year: 1998

ttcacaacag caggcaacaa caacaacaac cttatatttca aaatgctgct ggcccaacaa 360

accatacgtt ccttcaccaa tccaacagca acagccccag aaacaacaaa caatt 415

<210> 8632

<211> 295

<212> DNA

<213> Glycine max

<400> 8632

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tgtaaaagaa ctttggattt agataataac ccgctgcatg caaaggggtg tgaagttggc 120

aatcccatct tttatcaatg attgcaagga tatccttata cttcccttca ttgttattga 180

aagctctttg aattgcttct ttggccctat ccattgcttc ataaatgaaa cccattgcag 240

gttttttttt cattatccac caaccttaac acacttacia gaggcccat ttgat 295

<210> 8633

<211> 284

<212> DNA

<213> Glycine max

<400> 8633

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ccgacattgt atgcagacta gaaaaaattt gcgccgaaga aggtcttgaa tttgaacagg 120

atgctttgga cttcattgct gcgaaatcct gtggttctgt tagggatgca gaaatgatgc 180

ttgatcagat gagcttgctt ggaaaaaaga tcaatatttc tttagcttat gagctggtaa 240

gactagtgtt tttgtaccat acatgtatat actccaaact acag 284

<210> 8634

<211> 295

<212> DNA

<213> Glycine max

<400> 8634

tactaaccba tggaagctcc taatatctcc tatactatca gggggggggc attcttggat 60

gaccttgatt ttttaagggt ccacttggac cccatttcta ccaactacia atcctaagaa 120

aactatatta tctacacaaa aagggtacaac ttctctatat tggcataaag agtggttttc 180

ctaagaactg aaagaacttg ccttagatgt cctaagtggt catctaggct cctactatac 240

actaaaatat catcaaaata aacaactaca aatttaccta tgaaatccct taaga 295

<210> 8635

<211> 286

<212> DNA

<213> Glycine max

<400> 8635

gcgagctgat tgtcggtcga atttgctctt agcatttgct ttcaaattcg agcgtctcga 60

catattacgg gactcaatca gacatccgag taaaaaagtg attgtcggtt gaatttgctc 120

atagcttcaa cattcaattt tgagccgttt tgatatatta cgatactcaa tccgacatcc 180

gagtaaaaag ttattggcgt ttgaatttgc ttaaagcttc ggcatccaag tccgaccctc 240

tcgatatact acgggactca atcagacatc cgagtaaaaa gttatt 286

<210> 8636

<211> 284

<212> DNA

<213> Glycine max

<400> 8636

agctttgagc tttattcata tgacaataac tttttactcg gatgtctaatt tcagtcccgt 60

aatatatcga gacgcttcaa attgattatc gaagctctga ggaaattcga acgacaataa 120

ctgtttactc ggatgtctga ttgagtcccg taatatataa aaaggcttgg aattgaatac 180

cgaagctctg agcaaattta aacgataata actttatact cagatgtctg attcagtccc 240

gcaatatatc gagatgctcg gaaatgaatg ccgaagctct gagg 284

<210> 8637

<211> 284

<212> DNA

<213> Glycine max

<400> 8637

agcttttggg ttgatcatta agtgctttat gaatcctccc gtgcttatgc caccagtgcc 60

tggaaggcct ctcatcttgt acatgacaat cttggacgag tcaatggggg gtatgctggg 120

gcaacatgac gaatccggga agaaatagcg cgttgtttac tacctaagta agaagttcac 180

gacctgtgag atgattactc cttgctcgaa agaacgtggt gtgctttagt atgggcatcc 240
catcgccataa ggcagtacat gctgagccat actacctggt tgat 284

<210> 8638
<211> 284
<212> DNA
<213> Glycine max

<400> 8638

agcttgaagg ttaactatat gccttggtta acttggtaac ccagctggcc ttgaatcata 60
aatctgtact tggtgcaaga gtctatggtt tattctcttc tgctgaccac catacaatcc 120
tttgcccttc tatgcagcaa cctggagcaa ttgagcagcc taaagcttat gttgcaaaca 180
tttacaatag acctcctcaa cctcagcaga aaatcaacca caacagaaca attatgacct 240
ctccagcaac atatacaatc ccggatggag gaatcatcct aatc 284

<210> 8639
<211> 284
<212> DNA
<213> Glycine max

<400> 8639

agcttgacac attcctttta taatgtaaca acacaagtgc tatcaatttg tctaaaaacc 60
atgtcatgca ttctaaaaacc aaacatatag agataagaca tcattttctt agagatcata 120
tatcaaaggg tgattgttgc attgagttta ttggtagtga acatcaacta gctgacatct 180
ttactaaacc tctagccaaa gataggttct tcttcattag gaatgaactg ggtatcttag 240
atggatctag tattgaatga tgttatgctt agaacatgta gctt 284

<210> 8640
<211> 287
<212> DNA
<213> Glycine max

<400> 8640

agcttgcata ataagaattt tcttggtata gccataatct ggacagcatt atagccaagc 60
cttttaattc gaggcaatac atcatctcta aaattgacat atgtgttgat ttttggtcc 120
tgcaccacat gggtcacaaa attgttaata gtagaagtag aaaaagaact gatactatac 180

ataggaactt tcttgaacat catagattta atctctaata ctaaacaaaa tattctatta 240
 ttcaaattca attaacattg actgtacaaa tgagaccaat gccttca 287

<210> 8641
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 8641

ctatccaata ctcaagcttg aaggcaaact ggatgcattg gttattttgg ttaccagtt 60
 tgccttgaat cacaaatctg tacctgtcgc aagggtttgt ggtttgtgct cctctgctga 120
 ccaccataca cacctttgcc cttccatgca gcaacctgga acgattgagc agcctgaatc 180
 ttatgctgca aatatttaca atataccttc tcaaccttaa catataaatc taccacagca 240
 taacaattat gacctttcca tcgacagata caacctgga tggaggaatc accctaacct 300
 cagatgggac atccctg 317

<210> 8642
 <211> 300
 <212> DNA
 <213> Glycine max

<400> 8642

tgtaggggta aagtctcacg attgtcattt gtcacatgcaa caattgtag ccgtggctat 60
 acgagacatc ttgctaaaca aagtcaagtt agccataact cgcctgtgct ttttcttcca 120
 tgctatatgt agcaaagtca ttgatcctgt caagtttgat gagttggaaa atgaggctgt 180
 tggatcgaat ggcctcagaa taattaagaa ggggggggta attaattatt cctaaaccat 240
 tactaattaa aaatttctct tctaaggatt ttactaaatt gttaagagaa tgaggggtag 300

<210> 8643
 <211> 284
 <212> DNA
 <213> Glycine max

<400> 8643

agcttctcat gctcaacctc attagtttta ttggttaaat caacactctt ttgctcctct 60
 tcaatggaag caacctcaa aggggcactc actttcagcc cccaattcct ctccctgagg 120

ttgcacctca aaggttgaaa cttatgacct gccactacct tgtttgtgtc caaaaattca 180
acccttgacg tgctggacaa agcaccccca attctatgtc taggaattac tggaacaaga 240
ggcttcaaac cacattctga taatatccaa gttgccattg gact 284

<210> 8644
<211> 289
<212> DNA
<213> Glycine max

<400> 8644

agctttaagc aaattcattt gacatttact tttgactcgg atgtccgatt gagtcattta 60
ataattcttg acgctagaaa ttgaatacag aagctctcac caaatttaaa tgacaataac 120
tttttactca gaagtctgat tgtgtcccgt aatatatcta gatgctcaaa attgaaaaca 180
gaagctctga gcaaattcaa acgacaatag cttttgactc ggatatccga ttgagtcatt 240
taataattcg agacgctcaa aattgaatac agaagctcta agcaaattc 289

<210> 8645
<211> 254
<212> DNA
<213> Glycine max

<400> 8645

tctcgatata ttatgcgcct ttttcggact tccgtgtgac aagtcatgac catctgaatt 60
tcttgacacc atccgttggt taatttcgag cgtctcgata tgttatgcmc ctgaatcgga 120
aggccgtgtg acaagttatg accatthtga ggatctcgag agcttccgtt gatcaattcc 180
cagcttctcg atatattatg cgcctgaatc agacttgcgt gtgacaagtt atgacctttg 240
gaaattctcg agag 254

<210> 8646
<211> 282
<212> DNA
<213> Glycine max

<400> 8646

agcttctcga tttattattt gcctatttgg gactttcgtt tgaaaagtta tgaccatttg 60
aatttgcca gagctttggt tgtccaattt cgagcgtctc ggtatattat gcacctgaat 120

cggacatccg tgtgacaagt tatgaccatt ggaatttctc gagagcattc gttgttcaat 180
 ttggagcttc tcgatctatt atgcgtctga atcggacttt cgtgtgacaa gttatgaaca 240
 tttgaatttc tcgagaccat acgttgttca atttcgagcg tc 282

<210> 8647
 <211> 288
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8647

agcttgtggg atnnngttta gtgtttttgc cggagatgtt gatgatagaa aaagtactac 60
 cggatttgta ttttttatgg gtgatttgtt ttttcatgg agttctaaga agcaaggcat 120
 tgtgacactt tctacttggt aagccgagta tgtagctgca acttcttgca catgtcatgc 180
 catttggcta agaagattgt tggaggaact tcagttgttg caaaaggaaa gcacaaagat 240
 ctatgttgat aatagatctg cacaagagct tgccaagaat ccggtgtt 288

<210> 8648
 <211> 291
 <212> DNA
 <213> Glycine max

<400> 8648

agcttctaaa ctttgtacaa gaatgtatct ctgataccac ttgttagaca agtggcctca 60
 gatatcttaa gaacgggggg ttgaattaag atattccaaa ctgtttcccc taattaaaaa 120
 tctatttcac tttttactca agttatgaat tcccttaatg acaatcttct taaatattaa 180
 ttcaaatgaa gcaacttgaa tatgaatata aagcaataat aaataaagga gattaaggga 240
 agagaaaatg caaactcagt tttatactgg tttggccaca cccttgtgcc t 291

<210> 8649
 <211> 295
 <212> DNA
 <213> Glycine max

<400> 8649

tggatttctt tttaggaggg tatctattct tcctaagaag gagccaaacc cagtcaccct 60
 cattaagaac tagctctttt ctccctctat tacctttagt tgaatacacc tttgtttggt 120

tctctatttg gttcttaacc ctctcatgca acttctttac aaactctgac ctagattccc 180
 cttctttatg tataaaagaa gtgtcccggtg ggaaggtaat gaggtctaac ggtgtaggg 240
 gattgaacc atagacaacc tcaaacgggg actacttggg ggttctatga actcc 295

<210> 8650
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 8650

ttatacaagt tttctacaat cacaatttcc aaatgcaatg cagttcacag aatgtgtttc 60
 ttccccattt agtaatatgt caagtgaat cattcacaat gaaatgaatc attttcagtt 120
 tattctaata tatctggaaa tgcaatgttg aacatacaga ctttatagat gctaattggat 180
 gttgacatgt gtttatttca atttcaaagt tcccagataa gttcaaacta tacagcctca 240
 agctaaccaa acaaataaaa aattgcttac cagttgtacg accacttgca tac 293

<210> 8651
 <211> 301
 <212> DNA
 <213> Glycine max

<400> 8651

tccattttca attacaagcg tctagattta ttattggaca caatcggaca tccgagtaaa 60
 tagttattgg cattagaatt tactacgagc ttctgttttc aataacgagc gtctcgatat 120
 actacgagac acaatcggac atccaagtaa aaagttattc ctgtttgaat ttgctacaag 180
 cttccatttt caatttcaag cgtctagata tattacggga cacaatcgga catccgagta 240
 aaaagttatt gacgataaaa ttttctaaga gcttatgtat tcaatctcga gcgccacgat 300
 a 301

<210> 8652
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 8652

ttgagcaaat ttaaacgaca attacttttt actcggatgt atgattgagt cccgtaatat 60

atcgagacgc tgcacagtga attttgaaga tctgagcaaa ttcaaacgat aataacgttt 120
tactcggatg tctgattgag gcccgtataa tatcgagacg ctcgaaattg aatggtgaag 180
ctctgagcaa attcaaacga caataacttt ttaccggat gtctgactga gtcctgtaat 240
ataacgagac gctcaaagtt gaatgttgaa gctc 274

<210> 8653
<211> 284
<212> DNA
<213> Glycine max

<400> 8653

agcttcaaca tttaacttct agcgtctcgt tatattatat gactcaatta gacatccgag 60
taaaaagtta ttgtcgtttg aatttgetca gagcttcaac attcaatttc gagcgtctcg 120
atatatgacg ggactcaatc aggcattcca gtaaaaagtt attgtcgttt gaattggctc 180
aaagcttcaa cattcaatgt cgagcgtctc gatatgttac gggactcaat cacacatccg 240
agtaaaaagt tattgtcgtt tgaattggct cagagcttca acat 284

<210> 8654
<211> 294
<212> DNA
<213> Glycine max

<400> 8654

ttgggaagaa gcagcaacag ggctactttg aagatggtgg tcttcaaaa gatgtgcaa 60
aagggcactt tgcagtgtat gttggtgaaa acaggacaag atacattgtc ccaatttcat 120
ggttggctca tacacaattt cgaagcttgc tccaagagc tgaggaggag tttggcttca 180
atcatgacat gggccttaca atcccatgtg atgaagttgt ttttgagttt cttacctcaa 240
tgattagatg agaattaagg gaaagttgat agaagtacac ttattggcat ttg 294

<210> 8655
<211> 324
<212> DNA
<213> Glycine max

<400> 8655

agcttgcattg atttacattc tcccccttcc tcaagcttat tcttatattt tcttgacatc 60

atcaaaatct tcatcatcaa taatcttaag aaggataggc ttaaaataca gaagaagcca 120
 caacaatcaa ttttaacaatg ttcttttaac atgcaagaca caattgattg caaaaaatta 180
 aataagataa gggaagagaa gaatgcaaca cagttttata ctgggttcggc cacatcccgt 240
 gcctacgtcc agtactcaag caaccactt gagatttcca ctatctttgt aaaatccatt 300
 acaaagtctg aaccacacag ggac 324

<210> 8656
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8656

tgggtacaat tctctcatcc taccctccaa ctcccatgta taatcacct catcggttcc 60
 ccaccgcacc ttcaccaacg cgatctcctt tctctcaac gacttcattc ttcggtcagt 120
 gatcttctga ggttgtgctt tataagtgag gttatccttc acctgtacct cgtcctctgc 180
 aagaatatgt gatggatccg ggttgtaccg tctcagttga gagacatgga acacaggggtg 240
 caaattcgat aaactcggag gtaaggcgat atgataagct acaggcccaa tcttcttcaa 300
 aatctgatat agacctagat acttgggtgt caacttccta gccttgagag ctcttccgac 360
 cccggttatg ggagaaacct tcaaaaacac atgctccctt tcttggaat ctagtggctt 420
 cctccttcta tcataatagc tcttctgcct atcctgagat gnccttatct tctctcgaat 480
 caacttact tgttcgt 497

<210> 8657
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 8657

agctttcaca tggatgtccg attcggggac ataatatatc gagattctcg aaatcgaaca 60
 acggaagctc tcgataaatt cgaatgggca taacatttca ctcggatgtc cgattcgggg 120
 acataatata tcgagacact cgaaattgaa caacggaagc tctcatgata ttcgaatgct 180
 cataacattt cacacggatg tccgattcgg ggacataact catctagacg ctcgaaattg 240

aacaacggaa gctctcgaga aattcgaatg gtcataagat ttcacacgaa tgttcgattc 300
 ggggacataa tatatcgata cgct 324

<210> 8658
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 8658

tatagtcatt acttggttaag aaccataatc tagagtctat tgttcctttg ataaagtgaa 60
 gaatttgttt tgcagccttg aaatgagtag tggtagagt ctcgatgtat tggctgatga 120
 gtactccagt agcatatata atgtttgggc ttgtgtgtca aatatcataa actaccacc 180
 aaactcttga aatctatagc atccagtttt cttgcttcgt cgaacttga taacttcatt 240
 ttgcactcca tcagtgttcc aattggcttg catctatcca tcttgaattt attaagcatc 300
 ttctttgcgt agctttgcag tgaaatgaag atttcatctt ctttctgctt ta 352

<210> 8659
 <211> 480
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8659

tcagatttgt gtttaagtag aaataaccat gngaatcttg agcagtcac taccaatgta 60
 aggaagatc tctgcccctc atatgtaggg tgggcatagg gaccccatat atcacattag 120
 agtaaatcaa aaggtaaata agataaattg ttagagttag gaaaggataa tcttctaagt 180
 ttagcaagtg gaaaaataga acaattagaa gaaaagaaat taggagagaa ttgtaaacta 240
 attttattat tcaaatgatt gaaaactttg tcttatatat gaccaaacct agaatgcca 300
 atatgagcat ttttaciaag agtggaattt acgtgtgaat tcataacaga aaaagtaa 360
 ttgcaatcat gagtgtcctt gaggtctagg acataaacgc cttagatgag atacccttta 420
 ccaatcctct tgcaagcttg cttctcttga atatcaaatt cattttggga aaaaatggac 480

<210> 8660
 <211> 484
 <212> DNA
 <213> Glycine max

<400> 8660

tctaactctgg atttcttgga ttttgagaag tatctttttc aattaagatt gtcaaataat 60
agacagaaaa ggttgtgtta tcaactgaat ataaagaagt cagttaaaat gaaaaagggt 120
gttcagtaga atatgaaact aactgcgcca taattcttaa ataataaat attgagactt 180
gagagaattc ccagtgtgga gaacgtataa tggcttaata taaataagggt taagatgata 240
acccaaattt tgagaagtat gccagtgggt catcacgagc aggaccagca taaacaagtg 300
aaccctctgt tagcaagatg atgtcatcaa atttactata cactgaacct cttggctgat 360
gtatcgaaca aattacagta tgaccatctt gtgcaagttg tttgagagtt tccatgactt 420
tctcagcctg gaaggcatca agttcttgga aacacagaaa acaactttca tgacaaaaat 480
atgt 484

<210> 8661

<211> 178

<212> DNA

<213> Glycine max

<400> 8661

agcttagaag gaacctatcc aggtttgtaa cggctttttt tgcagtgaga gcagagaatc 60
catagtgagc attgactttc agtatccatt ccaactgcctc acgacgaagc tgagaaagac 120
aagagtccaa aagcgcatta ttgttattat tattgctatc attgctatta tcatcact 178

<210> 8662

<211> 401

<212> DNA

<213> Glycine max

<400> 8662

ctaagcttat ggaacaagtg agaggtggga gagcaaaatt tgactcctaa agatttgttt 60
tcaactgcagg tgcaactgca gccaacgaac tcttaacctt catcctcgct aaccaggag 120
atgctttact cgttccaacc ccttactatc ctgggtaagt aattaacaac aagctctttc 180
atttaattag aaatactaac tgacactttc aatattgatt ggaatttatc ggaaatcacc 240
atTTTTTTta gattctgggtg ctctcatct aataattctc acttcttata tatattaaat 300
gagaaatgaa atctattaga attgattttt aataaatcat aaaaagtgtg agagagaaag 360

tgatcatcttc atttacttta tagtaaaaat aaaatgacat t

401

<210> 8663
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8663

agcttgcatc cgggtgcttgt tgtcaggggtg aagntttcta tcctttttat cctgcncnna 60
ncttganttc ccatttgcac cgtaccaaag tcaccgcttt ggtaggatga gaagaaactt 120
ccatgtgcag taacatggaa ggaggcacca gaattgacaa tccaagaact atcatcacia 180
gcaatgttta ggatattacc ttcaccaacg agacataaca aatcttcttt tgaaactatg 240
acaggaggat tcttctcttc ttgcttcttt gatgggttga cttggtctgg cttaacgtta 300
ctggcctttt gatctctctt g 321

<210> 8664
<211> 517
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8664

ttgactcttt ctttgtagag ttttgaagat tcataagttg tcagtcttag ttcttccaac 60
tccaacagtt gaatattcct gtgttccctg gatgccttct catcaaaatt cagaaatctt 120
aaagccaat atgctttgtg ttccatttca actggtaa at gacatgattt tccatacacc 180
agttgaaaag gagataagcc aattgggggtc ttgtatgaag ttctgtaagc ccacagtgc 240
tcttccaatt tgggtgacca atcttttcta gttgacgcca ctgttttctc taatatcttc 300
tttaattntc tattggacac tttggcttgc ccattagttt gagggtgata gggggatgcc 360
accttatgat tcacatgata ttgactcaac accttttgaa gctgagcatt acaaaaatgt 420
gaaccaccgt cactgatcaa gatccgaggc acccanatt gagcaaaaat attcttcttt 480
ataaaaatta ccacagtctt agcatcattt cttggag 517

<210> 8665
<211> 662

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8665

ctcagcttat cattttttga aggattggag aatttatatn gtcgnatttt ttaaanacnn 60
 nngatttata ttaaaataat taacgatatc tttattttga tatcatatat tttttcctta 120
 taatgatttt aaaataaaat aatagaggag tgtatactat atatatatat aacataacaa 180
 ctttagggat gtgttgatga ttgaggttcg tcggaaaacc atgaatacta ataatgacgt 240
 gttgtctctg aatctaagca tcatgaatca ttaatcccca ccgtcccggc cccgagggct 300
 gaattggatc cacataacac attcatttcc caccgtccga aaagtgtgag acgattccct 360
 gaaataatga taaattaatc ttataaataa ttgataaat tagtatggta gataatttag 420
 ttattgaata taaaaaaaat atgataaatt agtctttag ataathtagt aataaattgg 480
 tcactaaata ttacaaatta ataacaaatt gatcataaaa aatataatat attatctaatt 540
 tgatcattaa atattacttt tctctgatct caaatttaag attaaaaaat tgacacacta 600
 gaaagtagtt tatcatgtta attggcttaa atttagttaa aaatattttt gtctcaacta 660
 ct 662

<210> 8666
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8666

tgacaagaaa gcagaacctg gaatttnttt gtgtatatct caacttcaaa ggcctacaga 60
 atctacctac catagagcaa caaagtaatc atcagcaggg atgtcaaatt tctggagtca 120
 gatagttggg actggaaaaa tgataagagg tccgagtttc aggaggagaa tgaagatggt 180
 gatgaagaac ccataagagg aaccagatca ctttcagaca tctgccaaag gtgtaattgtt 240
 gctgtgatgg agcctgacgg atatgaagaa gctacagctg atcagaaatg gataaatgca 300
 atgaaagagg agcttacaat gattgaaaaa aataaaacat gggagctggg ggacagacct 360
 aaccacaaga aagcgattgg tgtcaagtgg gtttatagaa ccaagctcaa tccggatggg 420
 tc 422

<210> 8667
 <211> 428
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8667

 tttgtagtcc tctttgatca aaggttcatt tataacattt ctcaggccat aatagggatg 60
 atagaaatag atctaaacca aacagtctcc ctaatttata tttcacctaa ttacactatg 120
 aatcttagtg atttcataca aaacataaac ctagaagtcc aaacaatagg ttttggaaga 180
 aactttgagg gacataattt atacttggat attaacttca ttggtagaat aagtgatcaa 240
 atatccccta gatacaggat aaacactaat ccattagtga caaccttatt atctgatgga 300
 atccaatttt tgccacccaa aatatttgat tcttcagaa accaaaacaa tcaatggcaa 360
 acacatattg aggtctggatc ctctaggagt gcaataacca ctcccgggat cactatnnat 420
 acaaacaa 428

<210> 8668
 <211> 380
 <212> DNA
 <213> Glycine max

 <400> 8668

 actcagcttg agaaaactac gacaattttt taactcggat tctaactcag ccctgtaata 60
 tatcgagacg ctcgtaattg aaaacggaag ctctaagaaa agtcaaacga caataacttt 120
 taactcggat gtctgatcga gccctataat atatcaagac gctctaaatt gaaaacggaa 180
 gctctaagaa aagtcaaacg acaataactt ttaactcgga tgcctattg agccctgtaa 240
 tatatcgaga cgctcgaaat tgaaaacgga agctctaaga aaagtcaaac gacaataact 300
 tttaactcgg atgtccgatc gagccctgta atatatcgag acgctcgtaa ttgaaaccga 360
 agctctagaa aagtcaaacg 380

<210> 8669
 <211> 290
 <212> DNA
 <213> Glycine max

<400> 8669

agcttcaggt ttcaatttcg tgcgtctcga tatacttctg gacacaatcg gacacccgag 60
ttaaaagtta ttgtcgtttg aatttgatca gtgtttttgg tttcaatttc gagcgtctcg 120
atattttacg cggctctatc cgacatccga gttaaaagtt attgtcggta gatttttcta 180
agggctttcc ttttcaattc cgagcgtctt gatataataa cggacacaat cggacacccg 240
agttaaaact tattgtcgtt tgaattttct tagagcttgt gttttcaatt 290

<210> 8670

<211> 322

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8670

agcttgccgc cacggagtnn ttcgactatg ctcttgtgtg gtgggtctag ctacaaaagg 60
agagagcaag aaatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120
ggaagcggta tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180
cccaaggcaa caaggggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
aaaagattga agaagatgag gaggtaacta tggctcgatt tcttaatggt ttgactaatg 300
atatccgtga tattgttgag ct 322

<210> 8671

<211> 323

<212> DNA

<213> Glycine max

<400> 8671

agctttacta gtgaggtcgt gcttattttt aaaccttttg ctaaatctcg ataggtgatc 60
ctttgtgata aaggaagctg acaaaattca tcatcattta attgaacact cttcactcca 120
caattttttt tcctatgaga cacatcacct atcttgatcc tttgcctcca aatgcattca 180
atcacactaa tggaaactga atatgttgaa gcaactaatt ctttggtatt ttctttcaat 240
ttcctattag aattgtgcta atataggaaa ttagctatgg ccatacggtc ttcattgctt 300
aaaaacttat gttgaccatt tat 323

<210> 8672
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 8672

tcggtattct atttcgagcg ttccgatatt tttgggtttc aataagacat ccgagtaaaa 60
 agttattgtc gtttgaattt gctcagagct ttggtattcc atttcgagct tctcgatata 120
 ttacgagact caatcggaca tccgagtaaa aatttattgt cgtttgaatt tgcttaaagc 180
 ttcaacattc aattacgagc gtgcggatat attacggtac tcaatcagac atccgagtaa 240
 aaagttattg gcgtttgaat tggctcagag cttcgggagt ccatttcgag cttctcgata 300
 tattacggga ctcaatcaga catccgagta aaaaggtatt gtcgtttgaa tttgctc 357

<210> 8673
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8673

tgatccttga atcttgattc ttgattcttg ttatcatttt ttcttttgaa tcntgaaggg 60
 ttcttgattc tatcttgaac atcttgaact cattctttct tgattctatc ttgaacatct 120
 tgaactcatt ctttgattaa cctttgagct ttttgtcatc acctttgtta tcatcaaaac 180
 atctttgaat caatattgat tcatcatgaa gctttgcttc tacacatgac cctccagtta 240
 gctgatcgct ccacgcaag accatatgga gtgattgaag atgttttggt gaagggtgaaa 300
 caccttatat tcccagctga ttttgttgtg atagacatag aagaggacac tgatattcct 360
 ctcatctctg gtcgcccatt catgtctact gcaagctgtg tagtaaatat gggaaagaaa 420
 gatgtgcaaa tgggcataga agatcaggaa atcagctttg atttatttca tga 473

<210> 8674
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 8674

agcttagagt agaactcatc atcccaatta tgtaacacc atgagaacta aaaaccagcc 60

taagtatgat taaagaaaca gaaaaaacaac tcacagagga cataaagata aaacagtcaa 120
 gaaaaacata aattggataa atcaaaattt attattatga tataatatac atacaacaat 180
 ttataaataa tttttgtgtg tttttttctc tatatcatta tgacatgtaa taaataatgt 240
 gtagaagaga agtagacaca aaataactat tgtatgaata ttattgagca aataatattt 300
 ctttcaaaat tatatat 317

<210> 8675
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8675

tgtcctatga aacatttatg ctttacaatt tgttaacttt gatattatca aatttgtgaat 60
 ttcttattca gttgccacga cggataggaa atctgggttaa tttacgccac ctggacatca 120
 gttacactaa ttttccagag atggcaacac aaatctgtag actacaatat cttcgtactt 180
 tgacagtttt tattgttggc aaacaagatg gattaagtat cagagattta agaaaatttc 240
 cttatttggt gggcaagctt tccattctga acctgcaaaa tgttgtcaat cctgtggatg 300
 catttcgggc caacttanag aacaaagagc aaattgagga gcttatgctg gagtggggaa 360
 gcaatccaca agatccacag atcgaaaaaa atgtacttaa caact 405

<210> 8676
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 8676

agcttccgct tgaggggaag gctacgatgt gtaatatact cacactggag ggggagatgt 60
 gttgagtaca agtgtgaggt aaagtccac atcgggtaaa agtggaaagg ttgagcacca 120
 tataagttag gagaagaccc ataaacatga gccttaaggt tttgggtag agtgtggtgt 180
 caggcctcct tatgtggtgg ctcgtggtcc agaggtgtac ccctcgaatc tccccaacat 240
 cagagccata tgaatcatgt ccaaagtatt gggcgatggt gacacctatt cttgtagcac 300
 aaacacaaca ag 312

<210> 8677
 <211> 507
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8677

ttggagtttc caagtgccaa ttcgncgtct tctttagttc agtcttctc tggcttcaat 60
 tcttcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120
 gctttccagg ttctgctatc cagtgatttg aggaaggcca ccattcttgc tttccaatat 180
 tcatagttgc ttccatcaag aattggtggt ctgttctactg gtccgccttc tttctccatg 240
 ttcatcagaa tttatctccc tagatctcac tctgtgattt cgagtgttgg ctctgatacc 300
 aattgaaatt ctgataccag gggacagatg tcgtaccgga tgtcacgaca tcacgcttca 360
 gaacatgcag attatatgtg tccgtatgaa cagattaaac aagtaaataa cacaagagaa 420
 ttgtttaccc agttcgggtgc aacctcacct acatcttggg gctaccaagc ccaggaggaa 480
 atccactctc aatagtgtta gttcaag 507

<210> 8678
 <211> 314
 <212> DNA
 <213> Glycine max

 <400> 8678

agcttagatg tcttttctaa cttttaagtg attatttttt ataacaaagc attgcaaaaa 60
 ttattacctc acatggagct acatgccctg atacattcag gatttctgat ctcttggaat 120
 ttaaagacga ccagtgtata attgagtaac tcgaaacaag atatgcatca tgctttgatg 180
 ttgccccaaac caagtttctt aactgcaa at gaaaaaatag aggtataaca ttaatttttag 240
 ttaactcatt gatcatggca tactctgaat ttttagaagg taatagtagg ataattttaat 300
 tctattatat gcaa 314

<210> 8679
 <211> 507
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8679

tcaagctttc tccactaagt ttcctaagtc cggaaatggc nntattgatg gctttgggtct 60
tagatgcagg gaagaatttc tccaagaaca ccctcttaag gtcatcccag ctaaaaatgg 120
acctgggagc aaggtagtag agccaatctt ttgccactcc ctccagagaa tgaggaaaag 180
cctttagaaa gatatgatct tcttggacat caggggggctt catggtggaa caaacaatat 240
ggaactcttt aatatgctta tgaggatctt cacctgcaag accatgaaac ttgggcagca 300
aatgtattag tccagtcttg agaacatatg gaacaccctc accaggatat tgaatgcaca 360
agctttcata agtgaaatca tgtgcaacca tctccctaag agtcctctca cgaagtggag 420
gttgagccat gttctcacta tgaaaattag tagtgaaatg ctcaaaaaca gaatattcag 480
aacacccttc acagaatgct caaatg 507

<210> 8680
<211> 325
<212> DNA
<213> Glycine max

<400> 8680
agcttaacag tttttttttt tccttagtgc aaacttttca aaatttttat caaaataatc 60
ttcaaatgat tcatatttta gtgtatttta aatttttttg aatttttatc tacatatgaa 120
ttagttatca aataattttt tattaatgca aaatttgata aatatgatat gcatgaaagg 180
aactttcaat ctaatatgaa ttttaaaata aaattattca attaaaagtt attaaaagtt 240
attaaatgat gtaatattta atgcattaca ttcatgtcat ttgatctctc ctatatattt 300
attaattttt atatattaat aagat 325

<210> 8681
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8681

agcntacaa caaatgccac ttactccaa gttntatatt gatatgttaa caaggacaca 60
caagtatatt caccaggaaa acattgttgt ggaaggaaat ttagtggttg tgattcaaaa 120
gatccttcca cccaagcata aagaccctgg gagtgaacc attccttggt caattggaga 180

agtcactatg gaaaggcact tattgatctg ggagctagta ttaccataat gccactctcc 240
 atgtgcagaa ggttgggaga gttggagatc atgcccacta ggatgacttt acaacttggt 300
 gaccgctcta ttaccagacc atatg 325

<210> 8682
 <211> 471
 <212> DNA
 <213> Glycine max
 <400> 8682

tgaaggcaaa ctggatgcat tggttaactt gtaacctatc tggccttgaa tcagaaattt 60
 gtacctgtcg caagggtttg tggtttgtgc tcctctgctg accaccatac agacctttgc 120
 ccttccatgc agcaacctgg agcaattgaa cagcctgaag cttatgctgc aaatatttac 180
 aatagacctc ctcaacctca gcagcaaaat caaccacagc agaacaatta tgacctttcc 240
 agcaacagat acaaccctgg atggaggaat caccctaacc tcagatggtc cagccctcag 300
 caacaacaac agcagcctgc tccttccttc caaaatgctg ctggcccaag cagaccatac 360
 attcctccac caatccaaca acagcaacaa ccctagaaac agccaacagt tgaggccctt 420
 ccacaacctt cctcgaaga acttgtgagg caaatgacta tgcagaacat g 471

<210> 8683
 <211> 499
 <212> DNA
 <213> Glycine max
 <400> 8683

tctaagcttt cgtgttaatt tcgagcgtct catataattg cttttgaatc gacctccggg 60
 gaaaagttat gaccatttga atttctcgag agctttcatt gttcaatttc gagtgtctcg 120
 atatattatg cgcttgaatc gaacctccat gtgaaaagat aagaccattt gaatttctcg 180
 agagcttccg ttgttcaatt tcatacgtct cgatatatta tgcgcctaaa tctgacttcc 240
 gagtgaaatg ttatgacagt ttgaatttct cgagagcttt cgttgatcaa tttctagcgc 300
 ctcgaatatt atgcgcccga atcggaacctc cgagtgaaaa gttatgacca tttgaatttc 360
 tcgagagcta tgcttggtea atttcgagcg cctcgatata tcatgcccct gaattggacc 420
 tccatgtgaa aagtatgacc atttgaattt ctcgagaact ttcagttgtc caatttcaag 480

<210> 8684
<211> 593
<212> DNA
<213> Glycine max

<400> 8684

tcaagatgaa tcaagattga ttcaaagatt tttgatgttt acaaagatga tgacaaaaag 60
caaagctcaa aagtcaagaa cacttcatga taacaaagat gatgatctca agaatcaaag 120
aatgagttca agattgaatc aagaacactt caagggttcaa gaggaaattt gatttcaaga 180
atcaagtttc aagattcaag ttccaagaat caagatcaag attcaagact aaagattcaa 240
gaatcaagag aagactcaat caagataagt attaaaaagt ttttttaaaa aactgagtgg 300
cacatgaatt tttctcaaaa accttttacc aaagagtttt tactctctgg taatcgatta 360
ccagattatt gtaatcgatt accaatagca aaatgttttt caaaaagctt tcaactgaat 420
atacaacgtt ccaattgatt tcaaaatggt gtaatcgatt acaatgattt ggtaatcgat 480
taccagtatg tttgaacgtt ggaatttcaa attagatgtg aagagtcaca tcctttcaca 540
aaaagctttg tgtaatcgat tacactgatt tggtaatcta ttaccagtga tag 593

<210> 8685
<211> 314
<212> DNA
<213> Glycine max

<400> 8685

agcttggtcc ccaacgctct cttcaatctc tcccaaaatc tagaggtaaa cctaggatct 60
ctattagata ctatgctaga tggcacacca tgtaatctga caatcccact tatatacagg 120
gagctcaact tctccaagga aaatatgata ttaatggcaa tgaagtgagt agacttagtc 180
agtctatcaa caataacca gatagaatct aaacctctag gggttctagg tagtcctacc 240
acaaaatcca tggaaatact atccctcttc cactagggta tctctaaggg ttgtaacttc 300
cctgaaggtc tctg 314

<210> 8686
<211> 320
<212> DNA

<213> Glycine max

<400> 8686

agcttgacaa gcacccaatc gcccttctga aagttgactt cgtgtctatt gctatccgtg 60
aagtgttca taaattgttg tgccttaata attttcttcc caaggcttct aaatatttct 120
tcgtgattga ctaggaaatc aactgcttcg atgttgatg ttccagccaa atactgtggc 180
atattgggtg gtttcttgct aaaagtggct tcatatagt aaatccagtt ccaacgtgca 240
ctgaagtatt ataagaccat ccggtccaca tcaagaaata gcccacatgtc gatggatgat 300
gatggacaaa atcctcaagt 320

<210> 8687

<211> 549

<212> DNA

<213> Glycine max

<400> 8687

taactgtttt gttaaatgac atatctaate taaatcattt ttgtgataac aagatttgtc 60
ttaaaccagt tcaatcatat gcatcaaagt ataaaaactt tcataaaaaca aaaaaatggt 120
tttgtggatg aaaagctgga aataacattc tgagtacaac attatgacaa aaaacattct 180
tagtattgca tttgcataac ataaactgag attttcataa taacaatatt ctgataaatt 240
tttttattta aataatgaac atcaaaacat aagaaaatgt gcattgacat taggttctca 300
taatcatatc aaacatttca taatgagttt tgtgactaac caagtagaga gtttagttat 360
ctaagtgttt gaacctctat gttaagactt tttgcatacc aaaataatct tgagtaaaag 420
ttcaaaaaag gtaaagtttc aagaaagggt aacaaagtca caataacccc tcattcttgt 480
gatgttttaa tcaattcaac cataaccacc accagtgtcg tcgcaaccac caccaccaac 540
aacaccaca 549

<210> 8688

<211> 438

<212> DNA

<213> Glycine max

<400> 8688

tctaaacttt atgcaagaat gaagctctaa taccactttg ttgaaaagtg gcctcagttta 60

tcttaagaag ggagggttga attaagatac aaaaattatt cccaattaa aaatttcact 120
ctctcttttt ggattaacaa tgcataccta atatgaatta ctcaaaagac aatcctaaat 180
aaacttcttt aaagcaaaag atgaatagca ataaataaaa gaagttaaag ggaagagaga 240
atgcaaactc agtttttata ctggtttggc cagccctgt gcctacgtcc agttcctaag 300
caaccgctt gagatttcga ctatcttgta aaatgccttt taaaaagtct gaaccacaca 360
aggacaatcc ttcccttggtg tcaaaaatcc ttacatctta agagaccctc agtatcttaa 420
ccaaaatttc ttttgaat 438

<210> 8689
<211> 447
<212> DNA
<213> Glycine max

<400> 8689
cggagatgat ggtacagcgg gtgaaccaca agcggaagtt tcgtttggtg agggagccat 60
ggaaaaacag agcgtttgga atgatttcgt aaatctcaga aaactattgg gaaatgctgg 120
tgaaaacacg aatgccaagc agatataaat ttgaatgaag aatgtagagg ggcgtgtgaa 180
gcaacggtcg aatttgcttt gtggtgaacg tgctattaat gttaagtgat tcgtttgggc 240
acgttcagat tgcagtagct gctataatc ctctagcaga caaatgccca gcttgcccct 300
caatttttca aactgatttg catccaaagc ctttggtgaa atatctgcta tttgttcctc 360
agtgtaaca tgcttcagtg tgatcacttt atcatcaaca agatctctga tatagcgatg 420
tctaattgtca atgtgcttgg ttctgct 447

<210> 8690
<211> 586
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8690

ttgatatcga aataagattg aatgtgaaag tgggtatatt tagaacattg tgtaaggcta 60
tgttgggcga gagctgaatt gttcctgaat gagggtcatg aacatattgg ccggtcggaa 120
gttttactgt gattgggttg attcgtctat gggagtgaag gttatgcaag gagctagtca 180
catgatctgt agccccgaa tctagtatcc aggaggtgga aagcgactg gtagaagggtg 240

acatacctag gtttattgga gtattgacgg tgcatagaaga aattgatgca acctgtttgg 300
 gttgattggg tgctgtgttc tgggaggatg gctcctggat taaggcgagt agtgccttgt 360
 actgctcagg ggagaagcga acgaactcat gggactcatg atgctgagct ngatcatcag 420
 tggctttgct ttctactgtc actacgttgt tcatgggtgt cctttcatcg taaggcttgt 480
 atccccggcg gtacccatgt ttccgatagc agacatccac tgtatgtcct aacttgccga 540
 gtgggtgcac gtttttcctt ccttggttact ctaatttttc cattgg 586

<210> 8691
 <211> 240
 <212> DNA
 <213> Glycine max

<400> 8691
 tgccaaccca tggaagctcc taatatctac cacacttttt ggggcgggcc atccttggat 60
 ggactcgagc ttctcagggc ccacttggac cccatttcta ccaactacaa actctaagaa 120
 aactatatta tctacacaca aagtacactt atctatattt gcatagaagg agattttcct 180
 aaagactgaa agagctagcc tgagatgtac ctaaggatca tctaggctcc tactgtacac 240

<210> 8692
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 8692
 agcttaacaa aaggcatgag aagtgggtgg aattcctata gcaatttcct tatgttatca 60
 aacataaaaa gggaaaaagt aatattgtag ccgatgctct ttctcggcgt catgcattac 120
 tttctatgct tgaaaaaaaaa ttgattggct ttgaatgttt gaaaagcatg tatgaaaatg 180
 atgaaacttt tggaaaaatt tttaaaaatt gggaaaaaat ttcagaaaat gggtttcttta 240
 gacattaagg ctttcttttc aaagaaaaca aattgggggt gcctaaatgt tctactaaaa 300
 atttgcttgt ttgtgaagca catga 325

<210> 8693
 <211> 508
 <212> DNA
 <213> Glycine max

<400> 8693

tgaaatgcta caaaaaatgg ccaaatgccc aaggagtttt acaacttgct aactttttatt 60
taaatagataa ctgataggct tgtaagtagg ggcaaattat tcctagatta ttacattttc 120
aattggcttc tacatataat gcaactcatg tttttggtag ttttggagca ttggtagtat 180
tgttatgaat atatgatatt ctatattagt tgttaaatct aatttcgatt tctcatattt 240
gtgtgtattt atagggttaat tcattttattg tctattttgc tattcatcaa cttgcttttg 300
tatttgactt gtttatgtaa atagggtacgg acttagagct cttaactttg agtatgcttc 360
agtgtgtcta caaggtagat cattaaatta acctcttggt atgaacttat gatattctat 420
attaaattgt aaatctaaat acggtttctc gtatttgagt gtatttataa gtttaattcat 480
ttattggcta ttttctattc atcaactt 508

<210> 8694

<211> 313

<212> DNA

<213> Glycine max

<400> 8694

tgccaaccca tggaagctcc taatatctcc cacactttat ggggcgggcc attctcggat 60
gggctcgatc ttctcacggt ccacttggac cccattttcta ccaactacaa actctaagaa 120
aactatatta tctacacaca aagtacactt tctctatatt tgcatagagg agcgtgtttc 180
taaagactga aagaacttgc ctgagatgtc ctaagtgate atctaggctc ctactgtaca 240
ctacaatatc atcaaaataa acaactacca atccacctat gaaatccctt aagacatgat 300
gcataagcct cat 313

<210> 8695

<211> 314

<212> DNA

<213> Glycine max

<400> 8695

agctttgaga aatttctaac aacaataact ttttactcgg atgtccgaat aagtctcgta 60
atatattgag acgcttgaaa ttgaaaacaa aagctctcag caaattcaaa cgacaataac 120
cttttactca gatgtccgat tgtgtcccgat aatatatcga gatgctcgaa attcagaata 180

gaagctctga gcaaaatcaa acgacaataa cgttttactc ggatgtccga atgagtctcg 240
 taatatattg agacgctcat aattgataac agaagctctg agaaaattct aacgacaata 300
 acctttttacg caga 314

<210> 8696
 <211> 649
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8696

tcctttccaa agactcgtaa gggaaatcgc tcaggacttc aataccaatc tctacttcca 60
 cagcagcgcc gtctccactc tccaagaagc cgtagaggcc tacctcgttg tgctcttcga 120
 ggacaccaac ctctgcacca ttcaccccaa agagttacca ttatgccaaa ggactgaggc 180
 ctaccttgtt gggctcttgt ttattttcat tgaatattga aattttaatt tttaaataaa 240
 tatttaaaaa tgaaaatttg aattttattg aaattgaatc actttgtcca aataagaaaa 300
 ttaaataaca agaatttgaa ttacctcatc caaacaaaat atttacaaaa ggaaaggaat 360
 taaaatcaag gcaatcaaaa tgttatgaat ttaaatttct tagaaatttt taaattcctc 420
 atccaaacac atgggttaggg tcatttntgt agagggaaaa gaaatataat gnaaacaaat 480
 taagataaat tcttaaatta aagtacaacg taaaagtgtg aatatcacat cattatagga 540
 tttatttagg tttttttggg cggtttcttt gcattgaccg atgttatgag aaagagagaa 600
 aatnaanata tatatatata tatatatata tatatatata tatatatat 649

<210> 8697
 <211> 574
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8697

tttaagatgt gctcatttgt gtaaacattt tctatatttt ggtagtagnt catgctcacg 60
 taaccacaag ctgcaataat gtgtgaacat ggatagtga ggcgagaata ccttctgcat 120
 tgacaatgat gaccatttaa gttaactgcc cacttttgtc cgccgcgttg cgttataggg 180
 ttgaagggtct cctctacttc aaaccttgtg gagtggatat catacacgca aatgatgtgc 240

gtacaagctt gttcttgatt tttcctaagt tctttaacaa gcttcgaaca atatacttgt 300
 ccttcattta aaagtctttg ggcttggtgg ccacgctcaa caaaataactt tcgacaccta 360
 cagtatattg atttgaccaa tgttggtatg ggaatggtgc gacaatcctt taaaacctta 420
 ttgatacatt ctgagagggtt ggttggtcatg tggccatata gacgtccttc tctatcataa 480
 gccatcgctc atttttcttt tgaaatgcga tcaatccatg ttgctatggg ttgactcaat 540
 tgacgaaatt tgtctaaatt tgatcaaaat gtgc 574

<210> 8698
 <211> 316
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8698

tctgacattc accacatatt ctttcttctt ctatnttcag atagggaatg cctctaacag 60
 cacctttgtc aatgatattc ttcatgcctc ttaagtgcag atgtccaaat ctatgatgcc 120
 atattctgac ttcattctcc ttggatgata gacatgtgga ggagtcactg gtctcaagaa 180
 gtgtccatat ggaacagatg ccctttgatc tgctgccctt gattggaact tcactctctt 240
 catttgtacc aagcattctg accttngaa gtatacattg aatccttcat cacacaactg 300
 actgatgctg atctat 316

<210> 8699
 <211> 349
 <212> DNA
 <213> Glycine max
 <400> 8699

agcttaataa atctatatat ggtttaaaac atgactcccg tcagtggtag ctttaagtttc 60
 atgggataat ttcttcattt ggttttgatg aaaatcccat ggatcaatgc atataccaca 120
 aggtagtga gagtaaaata tgttttcttg ttttatatgc aaatgatatt ttaattacat 180
 gaggtgaaac aatttctttt taagaatttt gacatgaagg atatgggtga tgcattctat 240
 gtcacggca ttaagattca tagagataga cctcgaggta ttttaggtct atcacaggaa 300
 acctatatta acaaaatttt gagagatttt ggatgaaaga ttatctacc 349

<210> 8700
 <211> 265
 <212> DNA
 <213> Glycine max

<400> 8700

agcttcgtcc atgtcgccag tcaactggct tttgtggcca atactccaag ttagcaaaaa 60
 ggttctacga cccatttcaa attgttcaaa ggatcggacc tgtagcatat aaacttgact 120
 taccttcaac ctctagaatc caccctgtct tgcattgggc cttactcaag ccttatcact 180
 ctttactgac cacaacagaa acacccatcc ccttgcccaa tgctgatgaa gatttctaac 240
 ccttcctcca cccctctcac tgtat 265

<210> 8701
 <211> 255
 <212> DNA
 <213> Glycine max

<400> 8701

atacagaata cagatccctt ctgcataatg ggcaagaacc atgtctgaag agccacttat 60
 ctatgcaagg gaggtgaaac atgtgatggc aatgaggcaa acttcttact gtctctccaa 120
 gcataaagtc ctatatattg cacaaatgca caaatttcat atatcacaat acacaatctt 180
 agaaaacata tagttcaagg gatacacatc tagtgggtatt gacgatgtaa agtgtaaaac 240
 taacctgcag caaac 255

<210> 8702
 <211> 314
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8702

agcttcaaac cacaacaaca caaattctag gtatcccaaa cccctcaatt tgatggattt 60
 tcatggtttg agaagtgaag ttgagaatga ggtaaatttg aagcaaactc tcacctcaca 120
 caagtctata agtactaacg taacaactca aacgatatgt atgcacaaaa caaagtcaa 180
 tcaaaacgaa acaaacgtta gccctcagt taaacaaaaa taaatgata tgtaacagat 240
 aaaagaggaa acataanaag agaatatgga tctagggatc tccaatcat gtggctccgc 300

<210> 8703
 <211> 320
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8703

ttggagttca aaagactctg tacatttctc ttggcaaaaa atgaaacatg atgttatcaa 60
 gtntntttct aattgcattg tgtgtcataa ggcaaagttc aaagtcatgc atcatggttt 120
 gcatactcca ttgtcaattc ctacctcccc ttggacctac atttccatag attntgtgct 180
 tgctcttcca aggtccaaga gggacaagga ttccgatttc ttggttgtga taagtttcca 240
 agatggcaca cttcattcca tgtcataagg tggatgatgn ctgtcatgta gcggatctgt 300
 tcttcacaga agtaatgtgt 320

<210> 8704
 <211> 221
 <212> DNA
 <213> Glycine max

<400> 8704

agcttctatt tataggttca ctctatttt ctctacaatt gcatcacctt tcaatgagct 60
 ggtgaagaag aatgtggcat ttacctgggg tgaaaacaa gatcaagcct ttgctttgct 120
 caaagaaaag cttactaagg cacctgttct agctcttct gacttttcta aaacttttga 180
 gctagaatgt gatgccctg gagtgggagt tggaacttga t 221

<210> 8705
 <211> 274
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8705

tgtgcttcaa tgttcaattn tgagcatctc gatataattat gcacctgaat cgggcatctg 60
 agtgaaaagt tatgtcatat gagttagccg agagcttcgt tgttcgattt cgagcgtctc 120
 gacatattat tggcctgaat cggacatccg agtcacaagt tatggcgggt taaactctcc 180

atgtgcttcc atgtgtaatt ttgagcatct cgatatatta tgcaccttaa tcggacatct 240
gagtgagaag atatgccata tgagatagcc gaga 274

<210> 8706
<211> 293
<212> DNA
<213> Glycine max

<400> 8706

ttgatctacc accaccgccg ccaccattat ctttgttttc tattattatt agtactttga 60
tttctagctg tgtatttggc tatattatta tgaaatttga acaatttagt atttctttta 120
tttgcatggt gtgattgaaa aattatgaat tatgtcatat gactatgtgg tttttatata 180
tttgatctat tcatgtttct tgcttcatga ttgggttata ctctttaatg aatgtcttgt 240
gtatgattag tagtgtatgt atgttttttt cttgttacgc actttggcctt ttt 293

<210> 8707
<211> 465
<212> DNA
<213> Glycine max

<400> 8707

gttatcaaac ataaaaaggg aaaaggtaat attgtagccg atgctctttc tcggcgatcat 60
gccttacttt ctatgcttga aacaaaattg attggctctg aatgtttgaa aagcatgtat 120
gaaaatgatg aaacttttgg agaaatTTTT aaaaattgtg aaaatTTTTc agaaaatggt 180
ttcttttagac atgaaggctt tcttttcaaa gaaaacaaat tgtgtgtgcc taaatgttct 240
actagaaatt tgcttttttg tgaagcacat gaaggagggt taatggggca ttttggggtc 300
caaaagactc tagaaacatt acaagaacat ttttattggc ctcatatgaa aaaggatgtg 360
cagagatttt gtgaacattg cattgtatgt aaaaaggcaa agtctaagggt aaagcctcat 420
ggatcgtata ctccattgac aattccggag tatccttgga ttgat 465

<210> 8708
<211> 286
<212> DNA
<213> Glycine max

<400> 8708

tcaacatcag accacttcca ggggtgctgga actacttcac atggacttga tggggcccat 60
 gcatgttgaa agccttggag gaaagaggtc tgcctatggt gttagggatg atttctccag 120
 atttacctgc gtcaactttt tcagagagaa atcagacacc tttgaagtat tcaaagagtt 180
 gagtctaaga cttcaaagag aaaaagactg tgtcatcaag ataattacga gtgaccatgg 240
 cggagagttt gaaaacagca agtttactga attgtgcaca tctgaa 286

<210> 8709
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 8709

tcgattacca atagcaaagt ttgttttcaa aaagctttca aactgaattt acaacgttcc 60
 aattattttc aaaatgggtgc aatcgattac aagattttgg taatcaatta ccagtgtgtt 120
 tgaacgttga aatgcaaatt caattgtgaa gagtcacatc ctttcacaaa aatgctttgt 180
 gtaatcgatt acaattgaaa ttctgatact ggggacagat gtcgtacagg atgtcacgac 240
 atcacgcttc agaacatgca gattgtcttt gactgtatga acaaattaag caagtaaata 300
 acacaagaga attgtaacct agttcgggtgc aacctcacct acatctgggg gctaccaagc 360
 cagggaggaa atccactaaa atagtgttag ttcaaggctt aacagccact gtttacaacc 420
 ttctcaccta accactacct gtgcaatc 448

<210> 8710
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 8710

caccctcaag cgggacgtcg tcgcgccgca cgccgggtga gatgttacct gccttctggg 60
 agtccaccag attcaaggtc tttggaggca gcgttagggt ttgcttttcc cgcctaagag 120
 tcgagaaatt ggcgctctgg ggccgccgcg ccacgaaggg ggacgagtgg cgggggatcg 180
 ataacctttt tctgggaatg gggatggaat ctgtcgtggg tttctgtttg aaggagggt 240
 caatgttgtc cccaggggct ctggggttta ttgttgaaa ttggtaatgt tgtgttgat 300
 aaatattgat tgtggtttat tttggatcaa tgagtgcatt attatgaaat gctgatgttt 360

gattcagtct atacagtgcc ttgtgtatat acatttaac

399

<210> 8711
<211> 283
<212> DNA
<213> Glycine max

<400> 8711

taattggagc ttggatgcct atgatcttct tcatcaatgg attcctttgc ttctaggaag 60
attaatggca gcggtgtgga tattggaaca gagagaggag acgccgctta aggataaca 120
tgagtctaga agaagcttac caccatagga ggccatggat aaaagcttgg atgacgatgg 180
atatgaatga acggagaggg atataacagc ccgacctttt gtgctctaaa ggcgctctga 240
gatctgacat ttaatcttca aatgatcata gcttagacaa ttg 283

<210> 8712
<211> 294
<212> DNA
<213> Glycine max

<400> 8712

tgctggcctc aggcgctgtg gcaagagttg tctccttctt tggacgaatt atcttcgccc 60
agacttgaag agagggctcc tcacagaggc agaggagcaa cttgttattg atctccatgc 120
ccgtcttggc aacagggtttt ttgttcttcg caagcttagc tacatgcatt gccttctttt 180
tgtgaacaat tctttcatga acacagtttt tataagtatg aaaaactgat tttttttgtt 240
atttattatt ttagtacatc ttggacttgt aagtgtccgt gcctgctgta gacc 294

<210> 8713
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8713

gggagagata actgacaaaa tcttttcatg gctattcttc cagaagaacg ctcccctgat 60
gtagtctcgt ttatagcttg gaccatctca ttttgctga catatccatc cttgttcttg 120
tctaagaata caaatgtatc aaccaaagtc tcaaatgtgc cctccagctt tggcatccca 180

attcgtgatt tctaggggaag tcatggaaaa aaattcgaag atgtagcaaa acatggaaat 240
tcaagggttta ttgttatcaa tgcaagcatg atgaaattct aggctgccct gaagaaatgc 300
atgaaatgtc cataaaataa aataaaaaag gaatgaacat atagaatnga attgttcata 360
aagtacaaac atcttctgaa tatagaaatg atggcgcata agctgcaaaa gacagaatcc 420
gattcaatct caaaagtaat gttacaaccc aactaatc 458

<210> 8714
<211> 290
<212> DNA
<213> Glycine max

<400> 8714

tgcatacaag attctccttg tctggctctt cataaccttc tgggtgggtc atatagatgt 60
cttctcttaa atccgcatgc aagaatgcag ttttaacatc taactgctcc aagtgaagat 120
tctctgcagc tactatgtc agaataactc tgatggtagt catctttaca aatggagaga 180
agatctctgt gaaatcaatt ccttgtttct gctgaaaccc tttcaccaca agtctcgcct 240
tgtatcttct tctaccgtta gattcttctt ttaacctata gaccaccta 290

<210> 8715
<211> 362
<212> DNA
<213> Glycine max

<400> 8715

aacacagcag ctttcggtga accaaccoca taatacacag aaatcactaa ctaatactag 60
agctccctct actcttacag atggagatgc cccatcatgc tcaacttcac catctactaa 120
taactgccag atatctccga atctgatgaa aagaaatcaa caagtatcag ccacattagg 180
aggaccttcg gtagttgaac ccaccaatca tctgatgcag gagcttcata gcaagtctga 240
gatgcagatc aaacatgaat tgcccagtgt aagaggaact gatcagctga agttcacagg 300
gactgttgct gatcagatgg aagcttcttc tggaacatct tactgtattg atcctaataa 360
ta 362

<210> 8716
<211> 297
<212> DNA

<213> Glycine max

<400> 8716

ttgactaccc ttcagatata atactttcag gcatgaagtt gggattgaac ctcagaactg 60
gtattgaatg gagaatgaca tcttgggaaga atcccaatga tccatcccca ggagactttt 120
attgggggtct tttgctttat aattatcctg agttttatct gatgatggga acagaaaagt 180
ttgtgagagt tggaccatgg aatggcctgc atttcagtgg cataccagat caaaagccta 240
acccgattta tgctttcaac tacatatcca acaaggatga gaagtactac acttata 297

<210> 8717

<211> 295

<212> DNA

<213> Glycine max

<400> 8717

tctacttatg ttaaagaatt ggccgctatc actgccgccg tgaagaaatg gagacaatac 60
ctccttggcc atcactttac aattcttaca gaccatcgaa gcctcaagga gttaattact 120
cagggttatgc aaaccctga acaacaatta tatttagcca gactcattgg gtatgattat 180
tctatccaat ttctttccgg gaacactaat gtcactactg atgccctatc atgaattccc 240
acaacttaga ctagtgcctt tctcttatta tcaatgccta attttgtgtt cctgg 295

<210> 8718

<211> 295

<212> DNA

<213> Glycine max

<400> 8718

tgaggacaca tgaacgaaaa tgcaatttat ggtgctccga aaaagggatg agaatggaga 60
attgcactaa gcaatcacta cgcattggctc caaactcgaa ggtggaggac acatgaatga 120
aaatgcaatt catggggctc cgaaaaaggg tgagaatgga gaattgcact aagtgttagt 180
gtttggctct actgagcttt aaaagattgg ctaagatttt gttaaaacat aagcacttag 240
acaatgaagg aaaactggag ttgctgcaca tgatgtccaa cgttatgtca aggaa 295

<210> 8719

<211> 287

<212> DNA

<213> Glycine max

<400> 8719

tgaatcggac atccgtgtgt taagttttga ccatttgaat ggcacgagag cttccgttgt 60
tcaatttcga gtgtcactat atgtgatgcg ccaaaattgg acattcgagt taagtgttat 120
gaccatttga attttctcaag agcttccggg gttcaattct gagcgtctcg ttatgtgatt 180
tgcctgaatc ggacatccgt gtgaaaagtt atgaccattt gcattttctca agagctatcg 240
atgttcaatt tcaagcctct cgacatatta tgcgcccga tgggaca 287

<210> 8720

<211> 336

<212> DNA

<213> Glycine max

<400> 8720

cacggatgtc cgattcgggc gcataatatg tcgagaggct cgaaattgaa caacggaagc 60
tcttgagaaa ttcaaattgg cataactttt cacacggatg tccgattcag gagcatcaca 120
tatagagacg cacgaaatta aaatgggtcat aactttgcac actgctgtcc gatataagct 180
tataactctgt tgttccactc gagattatac atcgtacact ctctagaaat tgaactggcc 240
gataactttt cacacatatg atcgattcga gcgcatacta tgacgagagg ctctggcttg 300
aataacggaa gcacttgaga aattcaacag gggata 336

<210> 8721

<211> 297

<212> DNA

<213> Glycine max

<400> 8721

ttgagcaaat tgaaatgaca ataactttat actctgatgt ccggttgagt cccgtgatat 60
atcgagacgc tcaaaattta gatccgaagc tctgagaaaa ttgaattgac aataacttta 120
tacacggatg tccggttgag tcccgttaata tatcgagacg ctccaaattg aaaacggaaa 180
ctcttagaaa attcaaacga caataacttt ttactcggat gcccgacaga gtgtcgtaat 240
ttatcgaggg atgctccaaa ttgaaaacga aagctcgat catattcaaa cgacaat 297

<210> 8722

<211> 346
<212> DNA
<213> Glycine max

<400> 8722

cgagtaaaaa gttattgtcc gttgaattgg ctcgtagggt caacattcaa tttcaagcgt 60
ctcgatatat taccggactc aatcagacat gtgagtaaaa agttattatc gtttgaattg 120
gctcataggt tcaacattca acttcgagcg tctcgatata ttacgggact caatcagaca 180
tccgagtaaa aagttattgc cgtttaaatt agctcatagg ttcaacattc aatttcgagc 240
gtctcaatat atttcgggac tcaatcagac atccgagtta caaagttatt gtcctttgag 300
taggctcaga ggttcaacat tcaatgtcga gcgacccgat atatta 346

<210> 8723
<211> 482
<212> DNA
<213> Glycine max

<400> 8723

aatccgatcc ttggttaatg gatatttgaa gatgtcagca atttgatcca cagaagaata 60
catgacagat ttggagcaat ttggattcaa caagctcatg aatgaaatgg aaatccaaag 120
caatatgttt ggacctagtg tgtataacag gattcttggg cagaaaaatg gcgctgacat 180
tatcacataa caataatgga ggacgtctaa taggaacaca aagatcttga agcagttggt 240
tgatccacaa cagctcacca gcagtgtatg cgagtgaaca atacttaact tcggtgctag 300
atcttgcaac aactcgttgt tttcgagaag tccacctgat aagattggat ccatgaaaga 360
tggcatatcc atactaagac ctgctatctt cagtgtctaa aaagccacca tcattctgaa 420
taagcgagaa gagattgagc tcttgtaggt gtgaaatgaa tgcagcgatg tgaggttcct 480
tt 482

<210> 8724
<211> 397
<212> DNA
<213> Glycine max

<400> 8724

tccaggtaac caaaaaagat cattttcccc tgccattcat tgatcaaag cttgagcgct 60

tggcaagtat gtctcattac aatTTTTTTta tggTtcttat ggttatttac aaattcatat 120
 tgctcctgag gatcaagaaa acaccacatt cacctatccc tttggcattt ttgcctatag 180
 gaggatgcc tttggcctat gcaacgcctc tggTaccTtc caacggtgta tgcttagcat 240
 tttcaatgat tttttacaga gttgcataga tgtgtttatg gatgattata ctgtttatgg 300
 atcctctttt gatgcatgtt tggatagtct acatagagtt ctttaataaat gcattgaaac 360
 taaccctgtg ctgaatttct gaaaatgtca cttcatg 397

<210> 8725
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8725

gaataagaat gaaaattaga aacgggaaag aaaagctggg ttgcctccca gtaagcgctc 60
 ttttaatgtc actagcttga cacatcatcc tgttatctag gatccaatag agttcctact 120
 tcaaggacct tcttctcaag tctcctttcc tccatcacat acactttaaa atagacattt 180
 tggccaggTg gatctttgtc ctcatggaac aaatcaaagc tgatcttcta tgcccatctg 240
 cagcatcttc tttcccatgt cgcctatgca gtttgagta tatatgaatg ggcggccaag 300
 aatgagagga atgccaacat cctcttctat gtctatgaca atgaaatcag ctggaaatat 360
 aaggTgttta accttcacca naacatcttc aatgactcca tatggccttg tgatggaa 418

<210> 8726
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 8726

tggatttctt tttagtaggg aatttattct tctaagatg gagccaaacc cagtcaccct 60
 cattaagaac tagctctttt cttcctctat tgcctttagt tgaatacacc tttgtttgat 120
 tctctatttg gttcttaacc ctctcatgca tcttctttac aaattctgac ctagattccc 180
 cttctttatg tataaaagaa gtgtccagtg ggaggggaaat gaggtctaac ggtgttaggg 240
 gattgaaccc atagacaacc tcaaaagggg actgcttggg ggttctatga acc 293

<210> 8727
 <211> 265
 <212> DNA
 <213> Glycine max

 <400> 8727

 ggcgcataat atatcgaaac gctcgaaatt gaacatcgga agctctcgag aaattcaaatt 60
 ggtcataact tttaactcgg atgtctgatt taggcgcata atatatcgag acgctcgaaa 120
 ttgaacatcg gaagctctcg agatattcaa atggtcatat ctattcactc ggggggtgcga 180
 tttaggcgca taatatatcg agacgctcga aattgaacat cggaacactc cagaaactct 240
 aacgggcata aattttcact tcggg 265

<210> 8728
 <211> 288
 <212> DNA
 <213> Glycine max

 <400> 8728

 tcaacatcag accacttcca tgggtgctgga actacttcac atggacttga tggggcctat 60
 gcaagttgaa agccttggag gaaagaggta tgcctatgtt gttgtggatg atttctccag 120
 atttacctgg gtcaacttta tcagagaaaa atcagacacc tttgaagtat tcaaggagtt 180
 gagtctaaga cttcaaagag aaaaagactg tgtcatcaag agaatcatga gtgaccatgg 240
 cagagagttt gaaaatagca ggtttactga attctgcaca tctgaagg 288

<210> 8729
 <211> 287
 <212> DNA
 <213> Glycine max

 <400> 8729

 tgtgcaccaa tgcacactcc acgagactat ccgagtaaaa agtggagcct gggatgacaa 60
 tggcattttt atttacacaa cattaaatca tataaaatat tgcctcccca atggagatag 120
 tgggataatt aaaacattgg atgtcccaat ttatattaca aagggttggtg gaaacaccat 180
 cttctgcttg ggtcgggatg ggaaaaacaa agctataact gttgatgcaa cagaatatat 240
 ctttaagctt tccttggtga agaaaaata tgatcatgta atgaaca 287

<210> 8730
 <211> 469
 <212> DNA
 <213> Glycine max

<400> 8730

atcttgacat atcattttaa taatagcact gtacatccat gaccataact ctaagctgaa 60
 tgcagagcaa gaaaatccaa acataccttc aggtcactaa atgtttcagt tgctataaaa 120
 cgaactgaaa tggggaagaa tgctgatggt tcggcttggt gaacaacaaa ttccattgac 180
 ccactggcaa atatatttag tcaggcaaaa caagttcaaa aataccatga caataatact 240
 gcacatgtta gctcttaaaa gcatcacact atcaccccaa atttagcata cctgcggttt 300
 gaattatcaa tcagaaggac agaccactcc aaaaaggaat tccttgagtc atacctgcaa 360
 agccaaatta taggagatta ttaagagaga cagaccgaaa tgtgaaataa aatgatctca 420
 aaatatatat gataaacgtc atcacatgat gattctggga gtggagggg 469

<210> 8731
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8731

ctcctataat gactatggca tcatttctgg cgctaaactg ctgggagttg gaggccatct 60
 tctcaattaa atttctgggt tcagcaggag tcatgtctcc aagggtcca ccactggcag 120
 catctatcat acttctctcc atattactga gtccttcata aaaatattgg agaagaagct 180
 gttctgaaat ctgatggtga gggcaactgg cacatagttt cttaaactgc tcccagtact 240
 catacaggct ctctccactg agttgtctaa tacctgagat atctttcctg atggctgtgg 300
 tcctggaagc agggaaaatt ctgtctaaga atactctctt aaggatcatc cagctcgtga 360
 tggaccttgg agcaaggtaa tacaaccagt cctttgccac tcctctaata gaatgaggaa 420
 aagccttcag aaatatgtga tcctcttggga catcntgggg gttca 465

<210> 8732
 <211> 292
 <212> DNA
 <213> Glycine max

<400> 8732

tatgctgcaa acatttataa tagaccctct cagtagcaaa accaacaaca gcagaataat 60
tatgaccttt caagcaatag atacaatcca agttggagga atcatccaaa tctgagatgg 120
gcaagtcctc cacaacaaca acagcctatc cctcccttcc agaatgctgc tgctccaagc 180
aggccatata ttctctctcc aatgcagcag cagcagcaac aacaacaaca aagacaacaa 240
gcagctgagg cccctcttca accttcagaa tatgcaattt cagcaagaga ca 292

<210> 8733

<211> 425

<212> DNA

<213> Glycine max

<400> 8733

gattgattcc tttcttgatt cgaaatacag tattatttgg aaagagtatg agcaggttct 60
agcaaaggag gaagttcatt ggtatacaaa atctaaggct aaatggcttc atttggggga 120
tcgcaacccc aagtcctttc atggtgtgac tattatccgt cgaaggagga ataggatga 180
tatgattaaa gatggtgatg gtaattgggt ggtggattcc gagaagttgg aggagatggc 240
tactaagttc tataaggact tgtatacaaa ggatttcata tatcttcctt tggtgacatc 300
tcatgcgttt ccaaaattaa gggatgaggc cagagaggag ttaaggagga ttccatcact 360
aagagaaatc tattatacca tcaaacaat ggggagtctc aaggcttctt gccctgatgg 420
attct 425

<210> 8734

<211> 472

<212> DNA

<213> Glycine max

<400> 8734

gaaatcaaga gacacatata cattcttttt gaaattctga tactggggac agatgtcgta 60
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ttaaacaagt aaataacaca agagaattgt taaccagtt cggtgcaacc tcacctacat 180
ctgggggcta ccaagccagg gaggaatcc actaaaatag tgtagttca aggtctaaca 240
gccctgttt acaaccttct cacctaacca ctaccgtgc gatctctacc taagagccac 300

tcttagatat gagaacctgc gctcactccc tctcaaccac actcccgtgt ttacaaatta 360
atcaaagaca caccagagat caactctgaa caaaagagat caactctaca cactagagat 420
caactctaca cactagagat caactctaca cacaagagat caactctaca ca 472

<210> 8735
<211> 288
<212> DNA
<213> Glycine max

<400> 8735

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tgaagcagag ttcaatgatt caatactaaa aacatttaac tcgaatgaca cgttgatgtc 120
cttggcgtat tggatcaaat tctctctagt gaaattgagc tcaacctcat cacaagtgga 180
gggtgacaca atggcagtg ccttgagtga aggtgcccc ctactcctca aggcaagctc 240
ttgcataaaa gatgaccact gtactccaaa cccaatatca aaatcaat 288

<210> 8736
<211> 419
<212> DNA
<213> Glycine max

<400> 8736

tcaccatggc cactacgaat tctgtgtgat gccattcggc ttgtgtaatg ctctatcgtc 60
cttccaagcc actatgaaca acatctttgg accataccta cacaagttca ttattgcctt 120
ctttgatgat atattgattt atagtaagac ctttccagag catattgatc acctcacaaa 180
agcttttgca gtttttctcg aaggaagctt cttcctcaag ctactaaat gtacctttgc 240
ccaacaacaa gtgtggggca tattgtatcc cgacagggca tagaacctgt tcccacacaaa 300
gttgaggcaa ttcaggcatg gctagttccg cggtaacgc gcggattatg gggtttcctg 360
gactttcagt gttctatcag cacttcacca agggctatgc atccatcata gtcctttg 419

<210> 8737
<211> 431
<212> DNA
<213> Glycine max

<400> 8737

taactaagtt gttattatgt gccaacattt ttgtgtttca agcccattac aagacacact 60
 agatcctatc cctattacag aacctataac ttgcactcaa tgggtccatta cttgcaatgt 120
 taccaatctg attctgatat aataatgaag acttgaatag tgatgatgat tcttgtatca 180
 ccccagcttt tacttggaag tccctgaaag tcatttccac aagtgtttgc taccttttga 240
 gtagtggctc attcccgaca aggctattat tagcttcatt gtagtgtggt tggcttttgt 300
 ggatctgaga ccaaatttca tccacagttt tcttgcaaat tgggggaggg acagataatg 360
 gttgggaaat agtgggtgggt tctgttgcta ctacactttt acccttttga gcttcatcaa 420
 ggggtgggtag t 431

<210> 8738
 <211> 284
 <212> DNA
 <213> Glycine max

<400> 8738
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 agaagaatgt ggcatttaac tggggtgaaa aacaagagca agcctttgct ttgcttaaag 120
 aaaagcttac taaggcacct gttctagctc ttctaaactt ttctaaaact tttgagctag 180
 aatgtgatgc ctctggagtg ggagttggag ctgttttgtt gcaagggtggg caccctattg 240
 cttatttttag tgaaaaactt catggtgcga cccttaacta cccc 284

<210> 8739
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 8739
 tttctcgaga gctttcggtt ttcaatgtcg agaatctcga catattatgc cgctcgaagt 60
 cgaacatccg tgtgaaaagt tatgaccgtt tgagtttctc gagagctttc gtcgttcaat 120
 tccgagcatc tcgacatatt atgtgccga atctgacctt cgtgtgaaaa gttatgacca 180
 tttgaatttc tcgagagctt ccgatgttta atttcgagcg tctcagtata ttgctagcct 240
 gaatcggagc tcagtgtgaa aaggatgac cattttgatt tctcgagagc ttccttgggt 300
 caattccgag cgtctctaca tattatgtgc ccgaatctga ccttcgtgtg aaaagtaatg 360

<210> 8740
<211> 447
<212> DNA
<213> Glycine max

<400> 8740

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atgggctaata accaggaatg ttcgctaggg tccagcctat agccttcttg tgcttcttga 120
gaactgataa tagcttctcc tcttgctcat cagcaagga ggtagatgta attactggaa 180
aacttttgct atcatccaag taagcatatt ttaaatttga tggcagaggc ttcaattctg 240
gtgtgggctg ctggataatg gtagaaagag atggtttctc agcctgtacc tcaaaaataa 300
agtcagaggc atgtgtattt cctgaaacat ggtagttct atctgactct agaaaatcaa 360
tctcaagagg taaaacatca ccagacatgt aatcaatctc aatttcagat tcaactctcag 420
catccaattc atccatatga tcaacta 447

<210> 8741
<211> 293
<212> DNA
<213> Glycine max

<400> 8741

ttgaatgctc tattcaatgg agttgactag aatatcttga gactgaccaa cacttgcaca 60
gtggccaaag atgcatggga gatcctgaaa atcactcatg aaggaacctc caaagtgaag 120
atgtccagat tgcaactgtt ggccacaaaa ttctaaaatc tgaagatgaa ggaggaagaa 180
tgcatctcatg acttccacat gaacattctt gaaattgcca atgcttgcac tgccttgagg 240
gagaagatga cagatgaaaa gctgggtgaga aagatcctca gatccttgcc taa 293

<210> 8742
<211> 286
<212> DNA
<213> Glycine max

<400> 8742

tcgattcagg cgcataatat atcgaggctc tcgaaattga gcaacggaag ctctcgagaa 60

atttaaattgg tcatagcttt tcaactcagat gtccgattca tgtgcataat atatcgagac 120
gctcgaaatt caacaatgga agctctggag caattcaaat ggtcgtaact tttcactcgg 180
agatccgatt caggcgcata atatatcgag acgctcgaaa ttcatacaacg gaagctctcg 240
agaaattcaa atggccataa cttttaactc ggaggtgcga ttcacg 286

<210> 8743
<211> 428
<212> DNA
<213> Glycine max

<400> 8743

agagggttag aaatattaaa aaaagagaca acatcatttt tatttaaaaa ccaatgttat 60
ctacacattt gacaacatca gttttcaaaa accaatgtac tagcaacatc ttaaaaaactg 120
atgttaagtt tctgctagta acatcagttt tttgaaaatt gatgttagga agttccattt 180
aattacaaaa atgccaccac aaataatttc acattagttt ttcttgtaac caatattaaa 240
ttggtgatgt tgattgcata ttttgtagtt gtgatatcat gtatcataac tgaaaacaag 300
tgctcaaagc taagaaacaa ctgatttggg aggacattat ggtatttcca ctaaacaatc 360
tacgttatag taattcaatg tatttagctt gcattatgtt ttcattcact aactgttaca 420
taccattt 428

<210> 8744
<211> 369
<212> DNA
<213> Glycine max

<400> 8744

gctcaccccc atgccaaaat acatgaaaat acataaaaag tctctactca aagactactc 60
aaaatgccct taaatacaag tctaaaatcg tatactacta gaatgaccaa aatacaagac 120
ccaaaagaac gaaaaaccta ttctaattatt tacaaaagaag agtggaccca accttggtccc 180
atgggctcag aaatttacct tgagggtccat gagaacccta tgaccttctt tagcagctct 240
agcccaatct tcttgtagtc ttctatccaa tacccttggt ggtaggattg cacttgatga 300
cccttctctc ttctctaact aaattctcaa atggcggtgt tgggttggtt agttttcccc 360
cctcggacc 369

<210> 8745
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 8745

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 tacacctgtt gcaagagttt gtgggtctatg ttcttctgcg gatcaccata cagatctttg 120
 tccttctttg cagcaatctg gagtcaataa gcaacctgaa gcttatgttg caaacattta 180
 taatagacct cctcagcagc aaaaccaaca atagcagaat aattatgacc tttcaagcaa 240
 caaatacaat ccaggttgga ggaatcatcc aaatctgaga tggacaagtc ctccacaaca 300
 acaacagtct gtccctcctt tctagaatgt tgttggtcca agcaagccat atgttcctcc 360
 tccaatgcag caacaacagc agcagtcaca acaaagacaa ccagcaactg 410

<210> 8746
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 8746

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 catacaagtc cctaataatta tcaaactcta aaatttgagc tcctagggag taaaacaatg 120
 tgtgtctcct agagagggca tcagctacca catttgtttc tccctttttg tatttgataa 180
 catatggaaa ttgctctagg tactctaccc attttgcatg cctcttgttt aacttgcttt 240
 gccctcta atgtacttaagt gattgatgat cactatgaat gacaaattcc ttggaaacaa 300
 ggtaatgttc ccaagtttgg agggctctta ttaaggcata aagctcttta tcataagtgg 360
 ggtag 365

<210> 8747
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8747

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ctaagttttc atttccattg ttttaacgaa acacttgcaa ccaaaaacat gaagatgcga 120
gatgttttgg ttccatcaaa tgaacagttc atatggagtt ttcttttaaaa tgggtcttat 180
taaagcccta ttcattgatag agcatgtagt attaacggat ttagcccaaa aatattttgg 240
aagaggagta tcatttaata aggttctagc aatttcttcc aaagacctat ttttcctttc 300
aacaactcta ttttgttgag gggttctagg tgcagaaaag ttatgttcaa tgccatgctt 360
atcaccaaat aaatcaaatt ctttattttc aaactcaccc 400

<210> 8748
<211> 399
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8748

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agctgtttgt ctttcatcaa ttaagcaggt ataacctgtc tcaacctgct tgctagaagc 120
ttagctatca ctttgtagat gcagcctatc aaggatattg gtctataatc atttagggac 180
tgaggatggt taactttggg gataagagcc aagaaagagg cattgctgcc tctagggaaa 240
caaccgttga catggaactc atccacaaat cttctgaact ctggtttttag cacactccag 300
aattccttaa taaaattgaa attaaaaccg tccggcccag ggcacttatc tccaccacaa 360
ctccacactg cttccttaag ctctgtgtct gagaaagg 399

<210> 8749
<211> 245
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8749

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atatcaagac gctcgaaatg aataatggaa gctctcgagc agttccaatg gtcttaacat 120
ttaactcaga gggccgattg aagcacatag tatattgaga ctctccacaa tgagcagcgg 180
aggctctcaa ggaaaggaaa taggcataac atgtaactcg gaggtcgaat tgagacgcat 240
aatat 245

<210> 8750
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 8750

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 aagttattga cgtttgaatt tgctcagagc ttcaacattc aatttcgagc gtgtcgctat 120
 attacgggac tatatcagac atccgagtaa aaagttattg tcgtttgaat ttgctcagag 180
 cttcaacatt caatttcgag cgtgtcgata tattacggga ctcaatcaga catccgagta 240
 aaatgttatt gtcgtttgaa tttgctcaga gtttcaacat tcaagttcga gcgtctcggt 300
 atattatacg actcaattag acatccgagt aaaaagttat tgtcatttga atttgctctg 360
 agcttcaaca ttcaatttcg agcgtgtcga tatattacgg gactcaa 407

<210> 8751
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8751

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 atatcgagac gctcgaaatg aatgttgaag ctctgagcca attcacacga caataacttt 120
 ttactcggat gattgattga gtcccgtaat ataacaagac gctcaaaaatt gaatgttgaa 180
 gctatgagcc aattcaaatg acaataactt tttactcgga tgtctgattg agtcccga 240
 tatatcgaga cgctcgaaat tgaatgttga acctctgagc caattcaaac gacaataact 300
 ttttactcgg atgtctgatt gagtcccgtat atatatcgag acgctcgaaa ttgaatgttg 360
 aagctttagg caaattcaaa cgacaa 386

<210> 8752
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 8752

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 ttcaatttcg agctttctga tatgtgattt gcctgaatcg gacatacgtg tgaaaagtta 120
 taccaattga atttctaaag agcttccgtt gttcaatttt gagcgtttcg atatgttatt 180
 tgcctgaatt cgacattcgt gtgaaaagct attaccattg gaatttttct agagctgccg 240
 ttggtttatt tcgagcctct ctatatatta tgcgaccgaa ttggatcttc gtgtgaatag 300
 atctggtctt tagaattttg tgagagtttc ctttgttta 339

<210> 8753
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8753

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 ctattttcag attgggaatg cctctaacag cacctttgtc aatgatnttc ttcatgcctc 120
 ttaagtgcag atgtccaaat ctttgatgcc atattttgac ttcattcttct ttggagaata 180
 gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240
 tgctgccctt cattaggact tcactcttct catttgcac caagcattct gactttgtga 300
 agtttacatt gaatccttca tcacacaact gactgatgct gatcaagttc gcagtcagtc 360
 ccttcaccag cagtactatg ttcagactag gaagtccatc atggac 406

<210> 8754
 <211> 398
 <212> DNA
 <213> Glycine max
 <400> 8754

tcaagaataa tggcctcagc aaactttctta ttcccataag gaaattcaat aaataggctt 60
 cctattttta atagagaggg ttaccactat tggaaaatcc aaatgcaa atcttcattgag 120
 gcaatagact taaacatttg ggaagccata gaagtaggac cttatgtacc caccatgggtg 180
 gctggaaatg caacaataga aaaacctaga gaagagtgga ctgaagatga aagaagatta 240
 gtgcagtaca atttaaaggc taaaaacatc attacttctg ccctaggaat ggatgaatat 300
 tttagggttt caaattgtaa gagtgctaag gatatgtagg acactctaca agttacacat 360

gagggaaaaa ctgatgtaaa acgatctagg ataaatac

398

<210> 8755
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8755

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acgagacatc ttgccaaaca aagtcagggt agccataact cgcctgtgct ttttcttaca 120
tgctatatgt tgcaaagtca ttgatcctgt caagtatgat gagctggaaa atgaggccgc 180
aattatattg tgccagtagg agatgtatct tccccctgct ttctttgaca tcatgaatca 240
cttgattgtg catttgggtca gagaaatcaa atgctgttgt actgattatc tacgggtggat 300
gtacctggta gagcgataca tgaagatctt taaagggtat actgagaatc tatatcatcc 360
agaagcatct attattga 378

<210> 8756
<211> 415
<212> DNA
<213> Glycine max

<400> 8756

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acaagtttct caagctgcc aatctcattga acaccttcca agcaacatca atcttaccac 120
atcttgcata catctccaac acagcattgc tcacatataa attcttaaag aaccattct 180
tccttgcgta tgcttcaacc ctctgccccaa tctccagtgc tccaagattt gcaaaagctg 240
gaaaaatgct tgccaagggt actgcattgg gcatcatccc tttctcctgc tccatcctca 300
ggaacaaccc caaagcctcc ccgtaacttt tgctccgga gtaacctgat atcatggtgg 360
tccatgacac cacattccta gaaggcatca atctaaacaa ttccaaagct acatc 415

<210> 8757
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8757

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tcctttctttg cagcaatcta gagtcaatga gcaacctgaa gcttatgctg caaacattta 180
taatagacct cctcagcagc aaaaccaaca atagcagaat aattatgacc cnttcagcaa 240
tagatacaat ccagggttga ggaatcatcc aaatctgaga tggacaagtc ctccacaaca 300
acaacaacct gtccctcctt tccagaatgt tgctgggtcca agcaagccat atgttcctcc 360
tccaatacag cagtagcaac aatagcaaca acaaa 395

<210> 8758
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8758

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cctcccattt ttaatgagtg ggttaccact actggaaaac ccgcatgcaa atctttatag 120
aggcaataga tttaaattatt tgggaagcca tagaacaagg accttatgtt ccctctatag 180
tggtctggaag tgcaacaata gaaaaaccta gagcagattg gactgaggaa gaaagaagat 240
tagtacaata tattttaaagg ccaaaaatat tattacatct gccctaggaa tagatgaata 300
ctttagggtt tcaaattgta aaagtgctaa ggatatatgg gatacactac aagtaacaca 360
tgaaggcaca acagatgtta aaagatctag gat 393

<210> 8759
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8759

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aaaactgaat tagagacatg agttacaaga tttgctacca ctttcttaac tttgcaaaga 120
ttgcataagc aaaaggccaa tcttanaagg atgtttaatt cagatgaatg gttgaagtct 180

aaggcagcta aagagcccaa ggggaagcaa gcaacagatg ttgttcttat gccatcattt 240
 tggaatgatg ttgtttatgc tttaaaggct atggggcctc ttgtaagtgt gttgaggttg 300
 gtggataatg aacaaaaacc tacaatgggt ttcgtttatg aagcattgga tagggccaaa 360
 gaagcaattc 370

<210> 8760
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8760

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 gactatgggc attcattttc ttggcgctta aactgctgag aggtgggagg cccatctttc 120
 tcaaataaaa tttctggctt cagcangagt catgtctcca agggctccac cactggcagc 180
 atctatcata cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg 240
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 atacaggctc tctccactga gttgtctaata acctgagata tccttcctga tggctgtgggt 360
 cctggaagca gggaaatttt tttctaagaa tactctctta aggtcatccc agc 413

<210> 8761
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 8761

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 catcagtggg ctttccttct gtgtccagca tcttgggatg ttcccagcct ttgatgacag 120
 ctttccaggt tctgctatcc agtgatttga ggaaggccac catccttgct ttccagtatt 180
 catagtgggt tccatctagg attgggtggc tgttactgg tcctccttct ttctccatgt 240
 tcatcagaat ttatctccct agatctcact ctgtgatttc gagtgttagc tctgatacca 300
 attgaaattc tgataccagg ggacagatgt cgtaccggat gtcacgacat cacgcttcag 360
 aacatgcaga ttagatgcgt ccgtatgaac agattaaaca ag 402

<210> 8762
 <211> 414
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8762

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 gaggacacag aaaccaaagc atcaagatct tccccaggaa gctgatactt gattgcatga 120
 acctgattat atatttgtaa tgctttctgc atgagctcct gccaagatat gtcctttctt 180
 attcgaagaa tgcgtgtttg gcctccaaca taccttagct ttccatcaca tggctcgtggc 240
 aatattctac caccaaagct gcaaagaaac ttcatcatca ttgatctatc ataaactcca 300
 aaagagccat agccaggcac anattgtcta ttgtcctgat tcaatgaagt tcttggcatt 360
 gatcgaatcg acccatagtt gcttctgtct ncaggtaatg atgtattcat tcta 414

<210> 8763
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 8763

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 tattcttact ctagatagta ctctagagaa atagtggaca cttcactatt cagaaaggct 120
 tagaaaaagg atctgctgat tatacatata tatgtgaatg acatcatttt ttatgtaacc 180
 tctgaaagga tgagcaagga gttttctgag ctaatgaaaa gagaatgtaa aatgagcttg 240
 atgggtaagt tgaagttctt tataggactt caaatcattc aaaaagatta tggaattttc 300
 atgcataaag agaaatacat caaggaccta ttgaaaaggt tcataatgga tgaagcgaca 360
 caaatggcta ccggtgcac cttccactat cat 393

<210> 8764
 <211> 376
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8764

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ccatcttatt ctttcttgct cgctctcttt ttgctccttt ttttccatga gatattttgc 120
tacctaaca tacgtatatt tttgtgaggt attttgctat atacatgcgt gtccaaggta 180
tcttgctacc taaacatata tatatatgtt ttgtgagata tttttgctat atacatgcat 240
atccaaggta tcttgctacc taaacatata tatatatatt ttgtgaagta tttttcctac 300
atacatgcat atccaaggta tctttctacc taaacatata tatatatatt gtgaggtatg 360
actaccttcc gagctt 376

<210> 8765
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8765

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accagttct tcatgcaaga acaaagcata tgaaaattga tgtttttttt gttcgggaga 180
aggttttgac caagcagctc attgttcac atgttctctgc tcttgatgaa tggcagatgc 240
actcaccaag ccaactctat caccaagatt tattttttcca agagccaaac tcaatgtgct 300
tgaggcttca tcaaagtctc aaccaccttg agtttgaggg ggggtattan agcattgtca 360
gagcgggtgca gcttaactac actctt 386

<210> 8766
<211> 402
<212> DNA
<213> Glycine max

<400> 8766

ttatgatact gatgaaattc ggtcttatgg ttacaaaaa tcatagttgt tgtaggcgg 60
ttatcgttat caaaattcta gaatgctttg taaagatgtt catcaggtcc aagtctgtgc 120
ctatgcattg tagtcgaaat gaattcaaga tagtcaattg acccatttcc gtcaacatca 180
gcctgaggaa aaaatatata tgtcttgcaa attgaaacaa ttaggaacaa agcaaaaatg 240
catgacaaca aaaaaaagta taaagatata ggaaatatca tagtttaatc acaacattaa 300

aaaaggcttt agctagagcc tacataataa taattataat aataataata ataacaacga 360
agcatacatg cattacaaca aaacaaaatt aagaaataat aa 402

<210> 8767
<211> 358
<212> DNA
<213> Glycine max

<400> 8767

cgtaatctct ataaggcctc aaacaatctc caaggcgtgg ttgacaggc taacaatagt 60
tgtcaagcaa gatggttttg ctcaatgcc aacaaaccat actatgtttg ttaagcattc 120
tctggatgga aagatagctt tgtttattgt ttatgtagat gatatcataa ttctaggaga 180
cgattatgat caaataaatc atctgaagaa tcttctagcc gaggaatttg aagtcaagga 240
tctatgccag ctcaagtatt ttctagggat ggaaattgct cggataaaga atgggtatttt 300
tgtttctcaa agaaagtaca ctctagattt acttcaagaa acgggggatgc ttggatgc 358

<210> 8768
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8768

tatgggaagg cccatttgcc tgagaaagct gtggacttgt ttcacagaat gtgggggtgag 60
tntcagtgca aacaaaccgt gaaatcattc aattctgttc tcaatgtgat tgttcaagag 120
ggctcttttca atcgtgcatt ggagttttac aatcatgttg ttgcatcaa gagtttgaac 180
attcacccta atgcactcac ttttaatttg gtcattaagg ccatgtgtac gcttggtttg 240
gttgataaag caattgaggt ttttagagag attccactca cgaattgtgc tccggataat 300
tataacctatt cgacattgat gcatgggttg tg 332

<210> 8769
<211> 360
<212> DNA
<213> Glycine max

<400> 8769

tttctctaac tactcatggt ataaaataag ttccaataaa tctgtaaatc acctgttcca 60
aatatatcat tggaacccgt gctttaatta acaaggaaat ccaagtttga caaaagtcgt 120
ttcaaataata tttaataaca gaaaaatcat aaactatata aatattatac gcgtgaatat 180
catattataa taactatcat attgtacgaa taaaaaacat ggtaggttgt tgaaaaaaca 240
aacatcagat acatatttaa atattttcta tcaatatcaa tcacgagaca aatctcatcc 300
gttaaacata tcatataaaa tacttaacca cacattgaac aattatgttt atatacatca 360

<210> 8770
<211> 443
<212> DNA
<213> Glycine max

<400> 8770

acactataaa actcagcttt tatccaggca attcttggtg gtgaagctcc ttcttccttg 60
gcttattccc tagtggatgg tgccctccct atcctcttct cctttgcctt tcgctgcac 120
tccatggtga aaaatcacca ttgaaggacc tcattgaagc tcaaagatcc agcctccata 180
gaagctccac aagcaagctt ccatcaagtt atgctcgaga tcttcctggt ttcaatttcg 240
ggcgtctcca tatgtgatgt gcttgaatcg gacctccgtg tgaaaagata tgaccatttg 300
aatttctcga gatcttccgt ggttcaattt cggggcgctc catatgtgat gtgcttgaat 360
cggacatctg agtgaaaagt aatgacaatc tcaattactc gagagcttct gtggttcaat 420
cttcaagcgc tcgatataat atg 443

<210> 8771
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8771

acattcacca caaattctgc cttcttctat tttcagattg ggaatgcctc taacagcacc 60
tttgtcaatg attttcttca tgccctcttaa gtgcagatgt ccaaattctt gatgccatat 120
tctgacttca tcttctctgg agaatagaca tgtggaggag taactggttt cttgaggtgt 180
ccataggtaa cagttgtcct ttgatctgct gcccttcatt aggacttcac tcttctcatt 240
cgtcaccaag cattctgacc ttgtgaagct tacattgaat cttcatcac acagntgact 300

gatgctgac aagtttgcag tcagtcctt caccagcagt actt

344

<210> 8772
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8772

tggtgttctc gctaagtcta tgccctcgcg taagtgttg agacgtgcta agcacgcccc 60
ttcatcaaat ttccaatgtg ctcttttggg ctttacttta ctcatataac atcataaatt 120
catcaacttt taatatTTTA gacacaaaaa cttaaagat gttaaaataa tagttatttg 180
caccaaaagg aagaaatatg agaaaaaaaa ttaccaatat ctatataatt taatcacaga 240
acatacctat aaatagtcgt tacagttaca agtattaaat taattgttta taccaataca 300
tttttatgta taaagtatcc ttaacagata cataaactta ttatatacct caatcaatat 360
catataatac aaaggtacaa ataagaaaat cctaacatat gtacaanaaa gggatgaaaa 420
attaaattt 429

<210> 8773
<211> 324
<212> DNA
<213> Glycine max

<400> 8773

tataatttaa ttaagacaa aaactaatta catgctattt gttaagtatt ttgtggattg 60
tcgtgagtac caattttctc ttgtaataaa attcagtata acttaacaaa aagaaactgt 120
cattttaatt ataaaaacaa taagaaaaat attaccataa ttttaaaagt cccgtcattt 180
aaatttacta acatacaaag tagcatggga ataacaattt ttcgttacta tatttattag 240
taatttattg attcttaata atcttaaaag aactttattt ggatttttag attattttat 300
actttatggg aaataagaaa aata 324

<210> 8774
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8774

ntgtcgattg tgagagagtc tgagaatcca cttccgaatc caaacccctaa actacaacag 60
ccccagggtt tgcaagtcag cataaaaatg gaaggataaa tcataaatgg aaacaaaaaa 120
tagtttacat ggaaacataa agtataaatc aaatatgcaa ataacaaaat acatgttaag 180
taaacactat tagaaaatac actttcaaca tcggttattt agaacattct acattgggtc 240
taaaattgat gttgaaagtg acgatgttga atgtatgaat gttaacatcg gttttggaga 300
accgatgtta acatacatat gacaacatcg gttccctaaa taaccgatgt taaacacaat 360
gaacaacagc aaanaaagtg tacgaatgat gaacgttgac atcagttttc cactaaanac 420
cgatgtaata tgtagttta acat 444

<210> 8775
<211> 354
<212> DNA
<213> Glycine max

<400> 8775

ttggttagag ctcggagaag gcctcacctt agcaccataa gtggtacaac aaaccactga 60
gaaagttaag ttaattcagg aaaggatgag agctgctcag agtaggcaga aaagtatatca 120
tgataagagg aggaaagatt tggaattcga ggttggtgat cacgtattct tgagagtcac 180
tccatggact gggttggtcg agcattgaaa tcccgaaaac tcacatctcg ctttattggt 240
cctttccaaa ttcttaaaaa agttggccct gtggcatacc aaattgcact acccccgtct 300
tttttaatct tcacaatgtc tttctgtgtc tcaacttcgt aagtatattc atga 354

<210> 8776
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8776

cgtgggagtt tgtgatagtg attntgccac agatgttgat gatagaaaaa gtactaccgg 60
atttgtattt tttatgggtg atttgtttt tacatggagt tctaagaagc aaggcattgt 120
gacactttct acttgtgaag ccgagtatgt agctacaact tcttgacat gtcatgccat 180

ttggctaaga agattgttgg aggaacttct gttgttgcaa aaggaaagca caaagatcta 240
 tgttgataat agatctgtac aagagcatgc ctagaatccg gtgttccatg aacaaagtaa 300
 gcatatagat acaaggtatc atttcattag agagtgcatt accaagaaag aagtagaatt 360
 gactcatgtg aaaactcaag atcaagttac ggatattttc a 401

<210> 8777
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 8777

taagtgcctt cttggcaggg aaatagaaaa aacgaaaaga gaacaacaac tacatcatca 60
 ttctttaaaa ttaaaccctg gttgtttata gagctgctct tgcaaaggcc tcacatgatt 120
 gtggtaaaca tgtgcatccc caataacatg gataagatca cttggaatga gatctgacaa 180
 gaaaaacaca tagtataaaa attgattatt ttatgtttta attgttttta atgatgtatt 240
 ttctctagtc atattatcaa aatcaacaca cttttgaacc ctgaatctac ctagactaga 300
 acttaaatta aaaacttatt cataaacttc tgaaaacaac tctaccaaaa aatctataaa 360
 aataattg 368

<210> 8778
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8778

ggaaggtgtg taccacacca tttnttcata gtaaaacact ggtaatgtgt ctactattat 60
 tgtgatcatc tccttctccg tcattggagg taacacttga gctgccaggc ctctccacct 120
 ttgggtgtat tctttgaaag atttgtgcc ttttttacc atgttttata gttgcatcct 180
 atccggagcc atatgagaat tgtattgata ctgcctaaca aaggcaacca ttaggttctt 240
 ccaagaatgg aatcgggaag gttccaagtt agtgtaccag gtgacagcta cccagtaag 300
 actttcttgg aagaaatgta tcagtagttt ctcatnttt gcatatgctt ccgacaatac 360
 atctttagat gggtcttggg gcaagtagtc ctctgtact tgtcaaagtc tggcaccttg 420
 aacttgggag gggtgacgat attgcgtact a 451

<210> 8779
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8779

tgtatggntg ctggctagct tgatatactc ggcatacac acggccattg actatatact 60
 cccactcagc tcgtgggttc acaatcgtgc actgcatttg accagaacca tatgatgtgc 120
 gacttggcga acccgtgatc cattgacagc gatgctagtt tctcaccata gatggactta 180
 ttaccttac aaacataga ctttgtatca cctgcagcaa agttttctgg ctgcatcata 240
 taaatagttt cttctgtgtc gccagataga cattgacggt taagattcat ttgatgtaac 300
 tatacaatat aatgagcta 319

<210> 8780
 <211> 243
 <212> DNA
 <213> Glycine max

<400> 8780

atccactggt aacagcgatg ccctacgctt tggttatggc atcatcacct cagaatttcc 60
 catcattgaa tttgaaagtg aagttgttga cgtgtatctt ttgcatggac ctatccactt 120
 agagtgcacg tacttgtgct tccctcatgg tcccatgtgc attttgtttt ccttcatgca 180
 cctttatgct tccatgcaca acaccttgat gatgttgctt aatctctcta ttgtccccac 240
 ata 243

<210> 8781
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 8781

tgcaaaaacc acccagcaca caggacacga cagtgttaagt gaaacacaaa ggaagcgtaa 60
 aactggaagg cgtagtaaat ttaaagaaaa acaagatagg ggcaaaattg tcattaaaat 120
 tttatgaaaa ccgaagcttg cattaaatat ttttttaatt cggattatta ttataaaatt 180

taatgcatat ttaattcacg ttgttataaa ataaataata tttatttaatt attattaaat 240
 tttttaatac aaataaaatg ttgtcataaa aaatattttt tattttttaa aaaatataca 300
 gattacataa gtaaataattt attattcaaa ttacatgcg cattaaatat gtattagaaa 360
 tgtagtgat aattatgtat aataataatt tatgtatact aatattattt attttataat 420
 ataattgatt cattagttta g 441

<210> 8782
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8782

tcttctagac tcattttctc cttgaagtgg cgtctccaat catctttctt ccttctccat 60
 tctgctgcca tgatcttcaa gaagcaaaag acttcattga tgaagaagat ccatgaccta 120
 caagctccac atggagctac atcatttttc cccctttcta taaagggttt gtctaattgc 180
 acttgttacc tggaagaagt tacatttgga ttgtaggatt cttttggcat gttcaaaagg 240
 ggaaaaaaat tatttttgatt ntgatgttcc tagtgagtcc tatggtaatg gagccctaaa 300
 tcttatcttt gtggcgaggg ggtggagctg gattgttgaa ta 342

<210> 8783
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8783

tccccgactt caccocaaag gtgcatttgg ttgggtttac ttttaattgg tatttccgca 60
 accttccaaa cagcttacgc agattgacaa ggtgttcagc ctcaatccga gacttggcaa 120
 tcatgtcatc tacgtagacc tctatttcca tttttcccaa cacacactta tggttcacac 180
 aaaagtttct tcatatacac tcgttactca cacacacaag aattcctttc cacgcatcat 240
 ttacacacat aaaaaccttc tatacacatt ttctttttac atacatgtat aaataaaaac 300
 ctttttcttt tctttatgaa catgactttt attcacaacg cttctttctt tttattagga 360
 tttttgggtc attntatttt taggacgacg ttcctaaatg aaaaactcta cacgggtccg 420

<210> 8784
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 8784

tcacgcttag ttggagtctg caaagcccca atcattcaac actttgctga aacaatttct 60
 ggtactacaa ctattagaag ctttgatcag cagtcaagat ttcaggaaac aaatatgaaa 120
 ctgactgatg gatattctcg gccaatgttc aatattgctg gtgccgtgga atgggtgtgt 180
 ttccgtttgg atatgttgct ttctatcaca ttgcctttt ccttaatat cttaatatct 240
 attccacagg gattcataga tccagggtgag ttattcctat ctgttacaaa tcaaaattta 300
 attcttttat ggtatatgga attaaacata ataagttctc ttttataact ttttt 355

<210> 8785
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8785

ntatgaacat atcagcagga ttgtgtagag tgctaattctt atgaactctg attcttcttt 60
 ctaaccgaat gaagtgatat ctaacatcta tatgcttggt tctatcatga tgaacttgat 120
 ccttggccaa gcatatagca ctaaggctgt cacagtagat gttagcatat tcttgattaa 180
 ttccgagatc atttatcaga cctctaagcc aaattccttc ctttgcagct ttagtaagag 240
 ccatatattt agcctcagta gttgagagag caaccgaagg ttgaagtgtt accttccaac 300
 tcaccaagca gccaccaagg gtgtaagcat acctt 335

<210> 8786
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 8786

tgtatacccc atgttgcat ttgcttacaat agagttgctc atagcaccac taattgttct 60
 cctttcgaac tcggttatcg ctttaacca ctaactactc ttgatcattt gactatgcct 120

aatgtttctg tttttaagct taaagaatgt caagcaaagg cggactatgt taaaaaactc 180
 tatgagagag tcacagatca aattgatacg aataataaaa gctatgctac actagccacc 240
 agaggggagaa agaaagttga ctttgaaccc agacattgag attgggtgca catgagaaaa 300
 gaaaggttct cttaacaaac gaaattaaag cttctaccaa ggggagatgg accatttta 359

<210> 8787
 <211> 213
 <212> DNA
 <213> Glycine max

<400> 8787

taacaaaagg catgcgaagt ggggtgaatt cctagagcaa ttcccttatg ttatcaaaca 60
 taaaaagga aaaghtaata ttgtagccga tgctctttct cggcgtcatg cattactttc 120
 tatgcttgaa acaaaattga ttggtcttga atgtttgaaa agcatgtatg aaaatgatga 180
 aacttttgga gaaatcttaa aaaatggtga aaa 213

<210> 8788
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 8788

gactcaatcg gacatccgag taaaaagtta ttgttggttg aatttggtca gagcttcaac 60
 attcaatttc gagattttcg atatattacg ggactcaatc agacatccga gtaaaaagtt 120
 attctcgttt gaatttgctc agggcttcggt tattcaattt cgagcgtctc gatataattac 180
 gggactcgat cagacatccg agtaaaaaat tattgtcggt tgaatttgct caaagcttca 240
 acattcaatt tcaagcggtt cgatatatta cgggactcat tcggacattc gagtaaaaag 300
 ctattgttgt ttgaatttgg tcagagcttt ggtattccat ttcgag 346

<210> 8789
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 8789

catgcactcc tctaatagaca atagcatcat gtttggcact aaattgctag gagttggaag 60

ccatcttctc aattaaattc ctggcttcaa caagggtcat gtctccaagg gctccaccac 120
tagcaacatc tatcatgctt ctctccatgt tactgagtcc ttcataaaaa tattggagaa 180
gaaactgctc caaaatctgg tggtaggggc aactggcaca taatttttta aatctctccc 240
aatattcata taggctctct ccactgagtt tcctaagtct tgacatatcc tttttgatgg 300
tcgcggctct ggaagcaggg aaaacatttt ctaagaatac tctct 345

<210> 8790
<211> 363
<212> DNA
<213> Glycine max

<400> 8790

caactttgcc aagagccagc tgggagcaat tggccaatct gatcagtgga tcagatctgc 60
tgctgatctc cttaaattgtg gtcccctgca gcttccttcc tgctacctag ggctgcctat 120
agggtgcaat ccgagaagga agatgggtgtg ggaacctatc atcaacaaat ttgaggctag 180
actgaacaaa tggaggcaga gaagcatatc catggctggg agaatcacc taattaatgc 240
tgtcctaaca gctctgccat tgttttacat gtcttttttc aggactcctt caacagtgat 300
caacaaactc atctccattc aaagaaaagt tctttggggg gataatcaag aaaggaggaa 360
gat 363

<210> 8791
<211> 448
<212> DNA
<213> Glycine max

<400> 8791

aatctcagct tcacatcaga ccacttccag ggtgctggaa ctacttcaca tggacttgat 60
ggggcctatg caagttgaaa gccttggagg aaagagggtat gcctatgttg ttgtggatga 120
tttctccaga ttacctgtg tcaactttat cagagagaaa tcagacacct ttgaagtatt 180
caaggagtgt agtctaacac ttcaaagaga aaaagactgt gtcataaga gaatcacgag 240
tgaccatggc agagatgttg aaaacagcaa gtttactgaa ttctgcacat ctgaaggcat 300
cactcatgag ttctctgcag ccatcacacc acaacaaaat ggcatatttg aaaggaataa 360
caggactttg caagaagctg ctagggtcat gctccatgcc aaagaactct cctataatct 420

<210> 8792
 <211> 454
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8792

ntacaacaaa tgccactnta ctccaagttt taaaaggata tgttaacaag gacacacaag 60
 tatattcacc aggaaaacat tgttgtggaa ggaaattgta gtgttgtgat tcaaaagatc 120
 cttccaccca agcataaaga ccttgtgagt gtaaccattc cttgttcaat tggagaagtc 180
 actatggaaa ggcacttatt gatctgggag ctagtattac cataatgcca ctctccatgt 240
 gcagaagggtt gggagagttg gagatcatgc ccactaggat gactntacaa cttgttgacc 300
 gctctattac cagaccatat ggagtaactg aagatgtgct ggtcagagta aaatatttta 360
 tcttcctggc agactttgtg gtaatggata tctgtgaaga taatgacatt catgtaatat 420
 tgggaaggcc attcatgtta actgcaagct gcat 454

<210> 8793
 <211> 347
 <212> DNA
 <213> Glycine max

 <400> 8793

cactggctga catgttctca attagctcag ttgcttcttt cggggctcttc aattttatct 60
 ttccccctgc agaagcatct aacagttgct tggtttgtgg tctcagccca tctataaaca 120
 tattcaattg gattggctcg gaaaacccat gagtaggagt tcttctcaac aagcctctga 180
 atctctccaa tgcttcactc agagattcat caggaaactg atgaaatgaa gagattgcag 240
 ctttcccttc tgcagtcttg gactctggaa agtatttctt taggaacttt tcaacaactt 300
 cttcccaggt ttttagacta ttgcccttga atgagtggag ccacccc 347

<210> 8794
 <211> 340
 <212> DNA
 <213> Glycine max

<400> 8794

aagtggcctc atatatctta agaaggaggg gttgaattac aaactatttc cccaattaaa 60
aattctactt tgattttaat gcaagttcca atttccctta aaaatgaatt tctaaatgat 120
gattcaaatt aaacaatctg aatgtaaag ttaagcaaca ataaataata tagtttaagg 180
gaagagaaag tgcaaacaca gtttttatac tggttcgaca aagtccgttg actatgtcca 240
gtccccaaga aaccgcgttg ggagtttcac tatctcacia atcctttaca ctttctaaaa 300
cacacaagga aaacccttcc tttatgttca aatgctttac 340

<210> 8795

<211> 318

<212> DNA

<213> Glycine max

<400> 8795

gcatcagtcc cgctaactgt tgcagcatct gagtgccacg cttcgggaaa cgcctcatca 60
gcttgtgtac ccatccaaac agccagcatt agtccccct tcgctttgtc accctttctg 120
tcttccagcc tataccactg cggtgccaaa ggactgtccg gtggaacacg cttcgggac 180
tcattgaggt caaacaagac acgaccaatg aagtcacct tcacgacatc cttgtccttc 240
acagtgactt ccagtatgga agcctgaatg cggtctttgg agaaagcaaa aacctgattc 300
cattcaggat tacacttc 318

<210> 8796

<211> 312

<212> DNA

<213> Glycine max

<400> 8796

tcattcactt accaaatcat caaatgtacc atgagagttc atagcatata gatgtgaaac 60
tacacttcac cagagatgtg attgaatctg acaagggtgaa cgtggagaaa gttctaacag 120
aaaaaaaccc cgctgatatg ttcataaagt cctctcttag tgtcaagttc aagcactgcc 180
tggacttgat aaattttgaa ggtgtctaaa gcagattggg agaagagcag cccaaaaaca 240
caaagtagac actcgcttat ttaaattcaa ggcggagatt tgtgggtgtg gaactcaaat 300
cacaattgac ac 312

<210> 8797
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 8797

gttcaacacc tatcataaat aattgactta actattattg gattgtgaaa aagcttggat 60
 aaatatcaaa ttaaaatatt ttttaatgaa ttgaatttta aaattattat atataatctt 120
 aacacgtcct tgtttcaatt taactttaaa ttttgataca ccatatgaat aaagattatg 180
 tgtcccaatt taaatatttt ttttatagtt ttctcctcat gtttaaaagt attatcgtaa 240
 atttatttat atctactaaa ataaaatact caccattaac caggaaaata tctaataatta 300
 cgaagtctta tttttaaaaa ttatatatgt gtgtaatttt acacaattaa ttattgata 359

<210> 8798
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8798

aaacctttgc taattcaatt aggaattccc ttcctaatat tctagtgatc atcttgatgt 60
 tgtgacttgt aatcttgaag tattgtcttg aattttaatc ttgaaaagcc catttgcac 120
 aattgcaaca catcatcatg atcatcatca aaacatcaaa gccaatgca tctacacatg 180
 tgtcctccac cttcgagatt ggagctatgt ttcacgattg cctaagtgcg gaccctcaaa 240
 gcaatccgcc attcttccct ttttttcgg agacccatga atgtatngcc taacgctatt 300
 catgtgccct ccaccttcaa ggttggagct atgtttcatg a 341

<210> 8799
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8799

gcttctaaga aaaacttctt gagaagctnt cttaagaaaa cttgcttgag atgctagagc 60
 taagctacac acacncatct aataactaag ctcacctcct tgagaagctt ncttgagaag 120

ctagagctta gctacacaca cccatctaata aactaagctc acctctntga caaaatacat 180
gaaaatacaa aataaaagtc tcgactacaa agactactca naatgccctg aaatacaatg 240
ctaanaccct atgctactag aatggcacaa atacaaggcc caaacgaagg agaaacctat 300
tctaataattt acaaagataa gcaggctcat atntagccca tgggctcgag atctacccta 360
aggctcatga gaaccctang gtcttncctt ggatctctga cccaatctac ttggagtctt 420
cta 423

<210> 8800
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8800

tctgacattc accacagatt ctgccttctt ctattttcag atngngaagtg cctctaacag 60
aacctttgtc aatgattntc ttcatgcctc ttaagtgcag atgtccaaat ctttgatggc 120
catatttgac ttcattcttct ttggagaata gacatgtgga ggagtgactg gtttcttgag 180
gtgtccatan gtaacagttg tcctttgatc tgctgccctt cattagaact tcactcttct 240
catttgtcac caagcattct gactntgtga agttacattg aatccttcat cacacaactg 300
actgatgctg atcaag 316

<210> 8801
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8801

cgagacgctn ganattgaac aacggaagct ctcgagaaat tcanatgggc attaaactttc 60
acatggatgt ccaattcaag tgcataatat ttngagatgc tctaaatnta acatggaagc 120
acaagggaaa ttaanacggc cataaccttt aacaaggatg tccgattcag gccataata 180
tattgagacg ctcgatattg aacacttatg ctctcaagag aatcanattg tcatacattn 240
tcactcggat gtccgattca gacgcataat ataccaacat gctcgaaata aacatacagc 300
gcaagcanat tcaacggtat ac 322

<210> 8802
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8802

tgacatctat ccccatatgg aanaaggcca atgtgcggac atgacattca gaggatgtgg 60
 cggaacattg acattgtccg cgtatgctng acatntatgg catntcctta catgggcgca 120
 gcaatcgctn tccatagtga gccagtaata acctgctcta aggatcttcc tggccatagc 180
 atgcccattg gcatgtgtcc tcaatgaacc cccgtggatt cctcaatca tgtagttcgc 240
 ctctttggca tctacgcac gcataaggt catgtcgtgg ttctgtttgt acaggatggg 300
 accactcaca nagataccag tagccaatct tccttaacgt tctttctcat tgtcganaat 360
 ccttggtgga tattctgtgt tctcgatgta ctatntgata tcgaaatacc acggtntccc 420
 atctcgcttn tcctctntca cacaacaatg tgt 453

<210> 8803
 <211> 282
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8803

tcaatcctat accattcagg agccaatgga ctattatgtg gaacacgtct aggaacatca 60
 tggagatcaa acttcacagt gccataaact tcatcaagta acatattctt gtctttgacc 120
 acaacttcaa gcaaagtga ctgctgattn tcccttgcat aggcaaacac tngattccat 180
 tcaagatctt gtgttttctc agagtgtatg gtaattcctc tgaaattgca acctttacct 240
 ccacatatgg atcaatgctc ccagtcaaac gagctcttac aa 282

<210> 8804
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8804

taagagctag agctagctac catacctctc taatagctaa tctcacctgc ttgagatgag 60

aaactagagc ttagctacac ancccctata atagctaagc tcaccctcat gaaaaaatac 120
atgagaatac aaaatagaaa tccctactac aaagactact cataatgcct ggagatacaa 180
ggctaaaacc ctatactact agaatggcca aaatacaaag ctcaaacgaa tgaataatct 240
attctaatat gtatatagat aagcgggctc atacttagcc catgggctcg anatctaccc 300
taaggctcat gagaactcta ngaccttctt ttggatctct ggccagatct acgtggagtc 360
ttcta 365

<210> 8805
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8805

acatagactt cttgcttaat aagtccattg aggaacacac attctacatc catttgatac 60
aacatcatac catgatgggc agcanaggat attaaaatgt gcattgcttc tagacgagca 120
acatgagcaa tagtttcagt cgaatctata ctttcttggt gtgaataacc cattgccaca 180
agcctagcat tgtccactca caaccttaca tatttcatcg agcttgntc tgaacaccca 240
ctntgctcca tagcatatat gccattggga agatctacaa gcttctagac atcattcttc 300

<210> 8806
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8806

tgagaatgtc ttatccttac nctcggaagc aaagaaaaaa ggagagaagg ataantcca 60
atcaaaggaa acaaggagag gaaagggaaa tccaatcaa agagtgcgag aaagcaaaaa 120
gataagatag aacattccca atcaaagaat gcgagaaaga taaagagaag gagaagaagg 180
aaggaaagct cctgatcaat gatcgaaaga aaacagaaga aatgtgcaga ggggatctct 240
ggaccagaca atatctaaac aaatacagaa ttgtcaccaa atgaacaaaa gaaagaaaag 300
ganaccataa cctataagtg gtcttcttcc ttgatacca accaanatcc tgtgcy 356

<210> 8807
 <211> 469
 <212> DNA
 <213> Glycine max

<400> 8807

gtcacctgcg gcatgcaagc ttatttaaca tgcccatat atatttgcaa gcgcttactg 60
 ttaaaaaaca acttatatat atagtttcat gttgtgattg atgaccatga tttgggttac 120
 aatctaaaaa aataaatgat cttagaatca atcatgcata aatataatta tgaattaaaa 180
 ttattacatg atatgcacat taacaaaacc atacataata tgattatagt gatcttattc 240
 agttcaagga tatgaagaat atatgtgatt taaacaaaac ataaaaataa aaccatatgt 300
 aaaaagaaaa gaaaactttt ttgactgcaa aaaaatgatc ctcaacacat tcagaccgaa 360
 taagagaaag cactttgtaa catacaataa caaaagaacg tctgcactac cagtaaaaaa 420
 taactatcta ttctggttgt tataatatta aataatgtat gacataaca 469

<210> 8808
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8808

aaaattcctt catctgactt agcatcaaat ttctctatgt tttcttttcc attgtttaat 60
 acaaaacact tgcaaccaa gacatgaaga tgtgagatgt atggtttcct accattgaac 120
 aattcatatg gagttttctt taagatgggc cttattaaag ccctattcat gatgtaacat 180
 gcagtattaa cggttcagc caaaaaatat tttggaagag gaatatcatt cattaagggtt 240
 ctagcaattt cttccgaaga cctatttttc ctttcaacaa ctctattttg tagaggggtt 300
 ctaggtgcan naaaattatg tgcaatgcc a tgctattcac aaaataaatc anattcttta 360
 ttttcaaact caccctctg atcactccta atagatat 398

<210> 8809
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8809

agcttgtgct cacttcncg gccggtaggt gccgtaattg ctatttagct atttttccct 60
 taacaatcac aaccacaacc atgtgagtgc gtactttgat tgattgaata tgtgggtgtg 120
 cagtgaggct gagatatacc tgtttggagg tttcattact tcttggaag ttcccagtgg 180
 taaggacctc ctctttgttc gccccgacgc tgttttcaat gggaacaaac cgataagggc 240
 agcttcttct cttctcttta cttcatatct ttaatcttta attactcttt taagtctctc 300
 cacctatgct gttttcatcc actatgcaaa ccaattcttt ttacgttgt aattatttaa 360
 ttctggatcc tccagacact gattcanttt atatatttgg gcagtgggtg tgtccgcgcat 420
 tgttttccac agtttgggtcc tgggtccaatt c 451

<210> 8810
 <211> 236
 <212> DNA
 <213> Glycine max
 <400> 8810

agctggagtt gctgcacatg atgtccaacg ttatgtcaaa gaataagatc gggctgcaca 60
 atgcacaacg caagataaag tgtcaaatga agaattgaag ctgcaggatt cacgatgtcg 120
 gatacaatgt ccaggacatc ctgcctgaaa atactggaat tgctaaaagc attgaagctg 180
 caagatccac gatgtcggat acaatgttca ggacatcctg cccgaaaata ctggag 236

<210> 8811
 <211> 287
 <212> DNA
 <213> Glycine max
 <400> 8811

gagcaaattc aaacgacaat aacttttgac tcggatgtcc gattgtgtcc tgtaatatat 60
 cgagacactc gtaattggaa acagaagctc tgagcaaatt caaacgacaa taacttttta 120
 ctccgatgtc cgattgaatc ccgtaatata tcgagacgct attaattgaa aatagaagct 180
 ctgagcaaat tcagacggca ataactttta actcgggtgt gcgattgtgt ctcgtagtat 240
 atcgagacgc tcggaattga aaactgaagc tctgagagaa atcaaac 287

<210> 8812
 <211> 329

<212> DNA
<213> Glycine max

<400> 8812

ccttacttga atcttatgcc ccaacactat ttcttcttga accatgaaat ggcatttctt 60
ccaattgaga actagattgg actcttcaca tctctttaat actctttcaa tatttgataa 120
gcacccttca aaagatggcc caaaaataga gaaatcgtcc atgaaaactt caatgcattt 180
ttccaccata tcagaaaaaa tagccatcat acacctctga aatgtagctg gggcattgca 240
tagacaaaaa ggcattgcact gatatgcgaa tacaccaaaa gggtaggtga aagctgtctt 300
ctcttgatct ttgggatcta caacaatct 329

<210> 8813

<211> 481

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8813

agtcacctgc aagcatgcaa gcttctttaa tatgagagat aatgtttatc ttcaaata 60
tagataaaaa gataaaatta ttttaaata aacctctcat tttttgttg aaaagatcta 120
aattcatatc tctttaacat tataattaca aacatccaca tccgaataaa gaagatcaga 180
cacaaatgat aaaaaagttc aagacttatt tctaaacttg aaaagtaaaa aatgtttta 240
ttcttttagaa ttacactcat cataaaattg atagttgata cacaaatatt aatgtggatc 300
tataaaattt tcacattatt aaaagaaaat tttgttggt ttaagaacgc acgtgcattt 360
ggatatacaa attnttttgt atntataatg tttgcagcat attttaaatg gagattataa 420
ttttgtattg aaaggatccg aaacactctt atttaactat catccttcgc atataattca 480
t 481

<210> 8814

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8814

agtcacctgc agcatgcaag cttcacttgc ctaattnttc ttcaccccag ctccctaactg 60

cggtggcagt cttcattgca atgcctagtt tgtggatcac agacctttct tccatatctt 120
 tcctttcaag tgttggcatt ctcatgtctc tactcatttt cctgtgtgta gcagccactg 180
 cactcttagg acatgtccaa tctaatacatt ccatacctgt cctccacctc cataatatcc 240
 catcagtatc tggcctctac gttttcggct atggaggaca tattgtcttc cctgaattat 300
 atacagccat gagagacccc tcccaatnta caaagggtacc caacttcatg aaattttata 360
 aactgaatta tatgcttaat caaaactntc aataaatata aattgatccg gacagcacat 420
 catatttatg ttt 433

<210> 8815
 <211> 309
 <212> DNA
 <213> Glycine max

<400> 8815
 agcttggcac ttgttgcatt tcctcatgtg aacacaacaa tcattctcca ttgtgatcca 60
 ataataccca gctctcagaa cctttcggcc catggtatgc ccattgacat aggttccaga 120
 ggatccttca tgaaccttcg ctagtatcta ctctgggtcg gctgcattca cacacctgag 180
 caataccata tcatgggttcc ttttatatag gacatcctcg atcagaagga aactgggtcac 240
 caacctgctg aatctcctct catcattgtc agaggcccca ggcgggtatt ccttgtcctt 300
 gatgtatcg 309

<210> 8816
 <211> 185
 <212> DNA
 <213> Glycine max

<400> 8816
 gcgaagaggg tggaattcct agagcaattc ccttatgtta tcaaacataa aaagggaaaa 60
 ggtaatatgg tagccgatgc tctttctcgg cgatcatgcat tactttctat gctcgaaaca 120
 aaattgattg gtcttgaatg tttgaaagca tgtatgaaaa tgatgaaact tttggagaaa 180
 ttttt 185

<210> 8817
 <211> 408

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8817

agtcacctga agctgaagct tctaactntg acaagactga agctctgata ccacttggtg 60
 aacaagtggc ctcaaatac ttaagaagga ggggggttga attaagatat cacaaactat 120
 tccccatta aaaattctac ttgatggta acccaagacc caagattcct tttaaaatta 180
 attcctatat aataattcaa attaaactta ctgaatataa acaatgagca acaattaaca 240
 aaagagttta atggaagaga aagtgcacac acagtatcta tactgggtcg gcaaagtgcg 300
 ttgcctacgt ccaatgccca aaaaatacgc ttgagagttg cactatctca caaatccttt 360
 acaccttatg atacacacaa ggacaacctt tcctttgtgc tcatatgc 408

<210> 8818
 <211> 361
 <212> DNA
 <213> Glycine max
 <400> 8818

agcttgacaa aaaggaagca agttgtttaa aacaaaaacg ttgtttctac ttcaaaaccc 60
 cttgaactac ttcacattga tttatttggc ccctctagaa ttatgagttt aggcggaaat 120
 tactatggct tggttaattgt ggatgatttt caaaataaaa aacgaagctt ttgatgcttt 180
 tccgaaactt gccaaagtga ttcaaatga aaaaggtctc aacattgttt caattagaag 240
 tgatcatgga ggtgaatttc aaaatgagtc ttttgaacac ttttgtgaag aaaatgtaat 300
 tcaccataat ttttcagccc caagaacacc tcagtatgat ggtattgtgg agaggaaaaa 360
 t 361

<210> 8819
 <211> 325
 <212> DNA
 <213> Glycine max
 <400> 8819

tttctctaca atcgcatcac gctctctttg agctggtgaa gaagaatgcg gcatttacct 60
 ggggtgaata acaagagcaa gcctttgctt tgctcaaaaa aaagcttact aaggcacctg 120

ttctagctct tcttgacttt tctaaaactt ttgagctata atgtgatgcc tttggagtgg 180
gagttggagc tgtattgcta caaggtgggc accctattgc ttagtttagt gaaaaacttc 240
atagtccgc caccctcaac taccacacct atgataaaga gctttatgcc ttaataagag 300
ccctccaaac ttgggaacat tacct 325

<210> 8820
<211> 463
<212> DNA
<213> Glycine max

<400> 8820

actaagcttt attaagagat gctttattta cagctaatat ttattattaa tttattaaaa 60
aacttggtat aacctaccta tttatttcaa attaataatc aacatatcaa tattataata 120
aataataata cgtagacat gtacaaataa ttaaaacca ttttagtaat tacattgggc 180
aaaattaatt ttgattaaat gtattcaatc atcattccat taaacaatca atttttgaaa 240
aggattgaag agttcaattt ccgcccctct gaataaatga ataattgtta tcatcattta 300
ccataacgat ctctattac ctttattcaa gaaaaaaaaat taaaaatatt taattataac 360
gagttctaga attctaaata tattcttcta agaaaattct atatatatta ttataagggc 420
agtgcataata atattaacat aacataaatt caccaacaca ttt 463

<210> 8821
<211> 420
<212> DNA
<213> Glycine max

<400> 8821

aatgtgaagc atgtattcaa gcattacaac ctagaatgga ttttagtaca tgtattgaaa 60
gagaaattaa cttgcttgaa ttgggtcata gtgatatatg tgatagtaat gatgtgctaa 120
cacatgggtg taagggatac tttattactt tcattgatga tttctccaaa tattactatg 180
tgtattttaga taatcacaaa agtgagttgt tttataagtt catagtgtat aaaacagaag 240
tagaaaatga attagaaaga aaaattaaaa ttttacgctc tgatagagat ggagaataca 300
catctttgaa tatgagtaat ttttgatgaa tgcattggtat tattcatgaa gtgacacctg 360
catatgctcc tgaatctaata ggtattgtgg aaaaaaaga atcatacctt gcttgatatg 420

<210> 8822
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8822

tcactgattg ctttggacct ttgccattgt ccaccaaaaa ggccatcttt agcccccattg 60
 ttgtgtgtac ctccaagtgg cagtgcattga accaaactcc tatcaaacac ataccaaca 120
 tatatttttag tactgggatg agtttggtac actcttaaaa acaaaggctt ctaagtgtga 180
 aagactttnt atattgtgat ctaattatgt atagtaatat atgataaatn tgttgactct 240
 aaaaataaat tntgatgggt gatattttta gaatttttac atttgaccat acatcacaat 300
 taagctttta gttntagga taattatatn caatttcttt gatgtgtgaa taattactca 360
 gaatttactt 370

<210> 8823
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 8823

gggtgataat agatccccct gcctaagtcc ccctttgggg gagaactcag ccatggggct 60
 accattcacc aaaaccgaaa tagacgcaga ttttaaacac cctcaatcca tttggaactg 120
 aaatctgtta tttccaacat gtacaacaga aaataccagg agaccgagtg ctttctcata 180
 atctactttg aatacaagga atgatttgct gctctttttg gcctcttcaa tcacctcatt 240
 tgcaatgaga gcacaatgta atagatgtct tccctcaatg aatgcatatt ggggtctcatc 300
 tacgatatat gccatcacct tcttcattc 329

<210> 8824
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 8824

agcttataga actatcccaa ggaaacaagg caataggtgc taaatgggtg tttagaaaca 60
 agctagacaa ggcaagtaaa gttgtgagaa acaaggcaag gttagtttcc aaaggctact 120

cacaatagaa aggtataaat tatacagaaa cttatgcctt tgttgcttgt ttggaggcta 180
 tatgcatttt accatcattt gttgctcata ctaaaatggg actatataaa ttggatttaa 240
 aaagtgcact cctcaattga tttatacaaa aggaagtcta tgtagaaaac ccccctaggt 300
 ttgggagtaa cacttttcca caacatgttt ttaaactcag taaagctcta tatgagctaa 360
 agcaagctcc ttgagcttgc tatgaacgtc ttcgttcatt c 401

<210> 8825
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8825

agcttngtat tttctcacag ataggacatg catgatgtcc tttgacacta tatcaactca 60
 aatttccata tgctagaaag tcattaatgg tacaataaac catagcacgt aaattgaatg 120
 tctcttgaag attcccatcc cacacatcaa ccccgcttc ccacaatttt ctcaagtttt 180
 cgatcaatgg agtgagatac acatcaatgt gatttctctg ttgccttga ctggcaatca 240
 tcatgcaaag cattatgtac ttttgcttga tgcacaacca atgagggagt ttgtaaatca 300
 tcagcaaaac aggccatgaa ctatgattga tgggtaagtt accaaaagga ttcattccgt 360
 cggaagcaag accaagccta aggtttattg tggtgtctgc aaaattaaga tacaatgat 420
 caattgtctt ccatt 435

<210> 8826
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8826

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 acataaaaaa ggaaaagggtg atattgtagc cgatgctctt tctcggcgct atgcattact 120
 ttctatgctt gaaacaaaat tgattggtct tgaatgtttg aaaagcatgt atgaaaatga 180
 tgaaactttt ggagaaattt ttaacaattg tgaaaatttt tcagaaaatg ggttcttttag 240
 acatgaaggc tttcttttca tagaaaacaa attgtgtgtg cctaaatggt ctactagaaa 300

tttgcttatt tgtgaagcac atgaaggagg tttaatgggg cattttgggg tccaaaacac 360
tctaganaca ttacaagaac attnttattg gcctcatat 399

<210> 8827
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8827

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acgagattga attgcccgtt gagtataatg tgagtactac atttaatgtg tctgacttaa 120
ctctttttga tgtagatgga gaagccgatt tgaggacaaa tccttttgaa gagggagaga 180
gtaccaagga agctcttcaa caagtgttaa ccatgctatt tgaatttacg cccaagttac 240
aagtggagaa gcttcggatt gttaattgca ccatgttcca agaagagtag aggggtgccac 300
ttttgttgag tggttntatt agcatttt 328

<210> 8828
<211> 508
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8828

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ttggtggttt cgtgcttggt tgccacttcg gccattgttc gattgataac tgatgatgta 120
gtgaaattgg agctaagttt gagagtggat gacatattct cgttgggttaa tcttccactg 180
tccgccttcc ttttcctagt agcaatgaaa ggatcaacgg ngattcaagt gattagaatt 240
tctgatgtag tgacaacata tcagtccttc tacactgaca gaactntgag cccttatgcc 300
tattcttcgt tcttctccaa aacagtgtgg ctttgatga accctttgct gaacaaaggg 360
tacaaaacat ccctcaagct tgaagatgtg ctttctcttc ctattgattt cagagcagaa 420
aagatgtcag agcttttcca tagcaattgg ccaaagcctg aggaaaacag cagcactcg 480
gttggtactca ccttggtgag atgcttct 508

<210> 8829
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 8829

aggcatctcg gagaggatct tttctcggtc atatttgccg aaaatctctt gaactaggaa 60
 gatgttgccc atcgtctttc tgttcttaat gaaagcagtt tgagtttccc caataatagt 120
 ctcaagcact ggggctatgc ggtagccag aatttttagat acaatcttgt ataacaaatt 180
 acagcaagat atgggtctaa aatggttaac ctgggaggcc tggtcatgct tatgaataag 240
 cgcaataata tcatggttga gctgctttat aatttttcca gctgcaaaga tatcatcacc 300
 aatgatatgt caagccttct tgaagaataa aacattgaaa ccatctggcc caggagctct 360
 attattatcc atcacagaaa taac 384

<210> 8830
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 8830

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 gcaaaattga ttgtaataac ataaatgaga taagggaaga gagaatgcaa acacagtttt 120
 atactggttc ggcaaatttt gtgcctacgt ccaatactca agcaaccac ttgagatttc 180
 cactatcttt gtaaaatcct ttacaacttc tgaaccacac agggacaacc catcccttgt 240
 gttcaggaat ccttataact caagagaccc tcaatccctt aatcaatctt actgaatgag 300
 aagaaagaaa gaagaattat ttcttgaaga gaaggatatt acaatgaaga tccatggatg 360
 aactcttaat gggattgcaa gtgtttgccc acgagttctt gagagagcat ttggcaatga 420
 agttctcttg gaatctctct tattttcttt 450

<210> 8831
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8831

agctntacac aaatgccact atactccaag ttttaaaagg atatgttaac aaggacacac 60
aagtatattc accaggaaaa cattgttgtg gaaggaaatt gtagtgttgt gattcaaaag 120
atccttgcac ccaagcataa agaccctgtg agtgtaacca ttccttggtc aattggagaa 180
gtcactatgg aaaggcactt attgatctgg gagctagtat taccattgtg ccactctcca 240
tgtgcagaat gttgagagac gtggagatca tgcccactag gatgacttta caactgttga 300
ccgctctatg accagaccat atggagtaac tga 333

<210> 8832
<211> 534
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8832

agctntaact caatacaatt tcatccaact acaggatctc aatatgtaat agacatctct 60
atagattaaa ataattntaa atgtttaatg tgtatccaat taattatatg gatgtgtatc 120
tcaatatgtg gtaaacatta gaatgaattt taatataata cataagttat ttttatttgt 180
caaacctatc tgtcatataa tgaaaaagac aaaaaaaaaat gtacaataac aaattaaatt 240
ttattttattt tctataaatt ctctatatct tttctatata tagaatatag aattcctata 300
tatagaatat agaattcttt tattctttta ccttcttttag ttaataaggt taaagaataa 360
aagacaaaaa aaatagaagc gtccattgtc taatggatag gacagaggtc ttctaaacct 420
taaagtatag gtcanatcct aatggacgca aattgtttga tatnattgat atatatgcaa 480
ctattgcatg gaaaaatgat ttcattgata atgaccatgc ataaaaatga caca 534

<210> 8833
<211> 318
<212> DNA
<213> Glycine max
<400> 8833

tgatggcccg agttatgttg gggaactggt actaaccgag aatgggttta ggcaaagaca 60
acagcggcat tgttatacaa gaggcctcac atatcttaag aaggggggggt tgaattaaga 120
tattccacac tgtttcccta attaaaaacc atttcctttt tactcaagtt atgaattccc 180
ttaatgacaa tcttcttaaa tattaattca aatgaagcaa ctogaatatg aatattatgc 240

acttataaat aaacgagatt aagggaagag aaaatgcaaa ctcagtttta tactggttcg 300
gccacactcc ttgtgcct 318

<210> 8834
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8834

agcttcggta gttcaatttc gagcctctcg atatattatg cgctgtatc tgacatctgn 60
gtaaaaaggt atgaccattt tagtttatcg ggagccttcg tttttcaatt tcgagcgtct 120
ctatatgtga tgagctcgaa tcgacatccg agtgaaagtt atgaccatct gaatttctcg 180
agtgttttcg ttcttcaatc ttgagcgcct caatatatta tgcgcttgga tctcgacctc 240
cgcgggaaaa gtattgacca tttgaatttc tcgagagctn tcgttggtca atttataatg 300
catcggaatc ggacattcgt gtgaacagta tgaccattg attttttgag agcttccgac 360
gtttaa 366

<210> 8835
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8835

agcttctttt ttccaccaca ttntatcctc agaccgatgg tcaaacttat cataaggatg 60
cacaagctaa agttgagtat gtgaaaagat tgcataagca agtgaaggct caaattgcaa 120
agaagaatga aagctacgcc aagcaagcca acaagaacaa gaagaaagtg gtacttgaac 180
catgtgatta ggtttgggta cacatgagga tggagagggt ctctatacaa aggaagttga 240
aactcaacct agaggagacg aacctttcca agtactagag aggatcaatg acattgctta 300
caagattgat atttcaagtg agtatggagt acgtctctta tttaatgctg ctgacttg 358

<210> 8836
<211> 432
<212> DNA
<213> Glycine max

[illegible]

<210>	8837
<211>	331
<212>	DNA
<213>	Glycine max

agcttcttac aagagactaa gaaatttctg tctttatttt ttaagatgaa agatcttggg	60
aagctctctt tgtattatga atcaccatac taagagatcg ctttcaagggt attctaagggt	120
tgtcacaaga gagttatatt aataagggtcc ttaattgatt cgacatgaaa gatagtaaac	180
tatgagatac ccctattgct taaggagaca aatttagtct caaacaatgc cccaataatg	240
accttgaaag aatcgagatg caaaaagattc cttatgcatc agcaattaga agtctaatat	300
acgctacagt tgcactcgtc ctgatataca c	331

<210>	8838
<211>	342
<212>	DNA
<213>	Glycine max

tggttntcaa ttacgagtgt cgcgatatcc tacgggacac aataggacat ccgaatcaaa 60
agttattacg tttgactttt cctagagctc ccggtttcaa tttctagcgt ctcgatatat 120
taaagggctc aatcggacat ccgagtcaaa agttattatc ggtaaactat tcttagagct 180

atacgtttga attacgagcg tctccatata ttatggcact caatcggaca tccgagttaa 240
aagttattgg cgtttgactt ttcttacaac tatcgttatac aatttatagc gcctcgatat 300
attacagggc tcagatagac atccgagtta agagttattg tc 342

<210> 8839
<211> 294
<212> DNA
<213> Glycine max

<400> 8839

agctttataa gaccgtggaa ttagccattg ttgtgtggcc tggatcttct gttggactag 60
tttgaccctt ttgcttgaca ccatgtggcc catgtactcc acctggggtt gggcgaagga 120
acatttcgag agcttaatga agaactggcc ctgcaacaaa accttgaaag ccaattccaa 180
atgaagttaa tggtcattga aggagctact ataaactaga atgtcgggat gtggacatca 240
aagcccaagc ccatgacata ccaccagcct caggcccatg acttgatgga agcc 294

<210> 8840
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8840

tctacatcct gtattccatt gatcccagca tcttttgcaa ttgacttgtc cccaataatg 60
taactgaagg aagtgtgtat tgcaggtaac taagaaattc aaaagattga caaaaatcta 120
agaatagtat gcatgcaact tgcaaaactt agaacctgct gaggtcatct gaatttggag 180
ggaagtagta aagcagcctc tgaatcaaag aggtagcagc tttcctgttg cgtgcaatta 240
gaacagcatt tggccccgca tcaaatgtat aagctacctg caagtcaaaa ttattaaata 300
tttaaataga aatatagaga ttatacaca ttgtttgtt tacatgagcc cgtgtaatta 360
tcacaactaa naaagatgta tatatacaca ttattcaaata ggnggttata ccgaaagttg 420
atgtggtgca cgggcat 437

<210> 8841
<211> 412
<212> DNA

<213> Glycine max

<400> 8841

gagtatgcag tgaacaatgg ccctgacttt gaagctatga tatgtgaaaa acaacgggat 60
aatccttctt atagcttctt ctttgggtgg gaagggtcatg gttactaccg ttataagctt 120
tggttatcaa ctctgtcccc gggtggtcca ttcaaccogt cttttccatc atcttccatg 180
cccatgatgc ttcctccaaa tccaatgatg aatctgtctc ctgtaaagt ttctccgatg 240
aaccctgcag gaattgggtt ttcaccttcg atgctagggt cacctccttt ccaacagttc 300
tatgatcaac aacaccacca tcaacatcct cagtcttttg gacttcttgg tcggcctgag 360
tatgatcccc catccaagtc tttcacaggg atctctgggc cactctcatc tg 412

<210> 8842

<211> 300

<212> DNA

<213> Glycine max

<400> 8842

agctaagtct gtaaacattt attataggcc ttctcagtag caaaaccaac aatagcagaa 60
taattatgat ctttcaagtt acagatgcaa tgtaagttgg aggaatcatc caaatctgag 120
atgggcaagt tcttcacaac aacaacaggc tgtgcttctc tttccagaat gttgtatgtc 180
caagtatgcc acatgtttct cctccaatgt agcaacagca gcagcatcaa cagtcacaat 240
aaagacaaca agcagctgat gcttcttctc agcctttcta gaagagtttg tatgcaaatg 300

<210> 8843

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8843

acactatgaa actaagctta atggaggaaa agaattgatag agagggtggaa ggagcacaaa 60
attntgtgcc tcanatgagg tctgagattt gaagtgtaat tctaaaatga acaaatttga 120
aaaaatgcac acacaatgcc tttatatata gccgaagtgt cacacaaaat tggagtggaa 180
attgaatttc tattcaaatt tcaattgaat ttngaattga atttgtggag ccaaatttgg 240
agccaaaatt tcaactaatta tgattagtga attttagcta tggttcagcc cactaatcca 300

aatcaagtc caagattctc cactaagtc gcttaggtgt tatgagacat gtaaacatg 360
aaggacatgt acaaagtggt actatatgat gtagcaatga gatgtagcaa gcaaatgttc 420

<210> 8844
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8844

gggctaactct ttcctgtaac tnttccttgt cataatctga agtgctatct tcaattgctg 60
atctaactctg cttgttaaaa ttcatacaca gaaacaagta aaaaacatca ataagtatca 120
gtacatgaaa cagaatacac caacaatggt agaataaaaa ttaataatag tggaagattc 180
aaacagacct gctcacttct ttcttcaatt gctttcttat caccagctcc atcaaggatg 240
acagtgtcat ccttagaaat tggtatctaa aacatacaga acctattca gttttctaaa 300
tcatttaacc ttgaaaatag tatgggcata gaatagagaa atttaatgac actttcttta 360
aaaagcttaa acacaagtag ntgctccagg agaanagtca gcacccata ccaaaactat 420

<210> 8845
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8845

ntggagtttc caagtgccaa ttcgtcttct tctttagtcc agtcttcttc tggcttcaat 60
tcttcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120
gctttccagg ttctgctatc cagtgatttg aggaaggcca ccattcttgc tttccagtat 180
tcatagttag ttccatctag gattggtggt ctgttcaactg gtctccttc tttctccatg 240
ttcatcagaa tttatctccc tagatctcac tctgtgattt cgagtgttgg ctctgatacc 300
aattgaaatt ctgataccag gggacagatg tcgtaccgga tgtcacgaca tcacgcttca 360
aaacatgcag attatatgtg tccgtatgaa cagattaaac aagtaaataa cacaagagaa 420
tt 422

<210> 8846
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 8846

tagttcctag cttagcccat aatgttttcc agaagtgact aatgaactta gcatctctat 60
 ctggcacaat ggtcctagga aaaccatgaa gtctcacaac tggcctaaaa acgagttttg 120
 agatgtggga agcatcatcc acctttgggc atggtataaa gtgtgcccac cttgctaacc 180
 tatccaccac cacaaagata gagtctacac ctctttgggt tctagggagc ccaaggacaa 240
 agtccatact aatgtctacc caaggtgcac atggaatggg t 281

<210> 8847
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8847

tctatctttg ttctttattn tottaacatt atagtaaaag cctaagaagg gtaattctta 60
 attagtaaag gtctagtaat aattaattta accccccctt cttaattatt atgaggccac 120
 ttgatccaac acatcagagg agctattata cctcctgct tggccttctg aagtccatga 180
 cccatttgct ctgaccttta gaaacaaagt tgagctagta tcctgaaaac caccaaaact 240
 aaagtcctc aacacccaac aaaatgacct ctctcattt agcccataaa ctgaagccac 300
 acaatcaciaa tctgacaagc atgcactccc acatnttgac acnatagaaa tatcactata 360
 ttagctatta c 371

<210> 8848
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 8848

tttgacagtt gtgacatctc agtttctct tgtcaaactt ccattccttg cttccattgg 60
 agctatcatt ttgcttttgt gattaatcac ttttctttcc tttagaggat tcactacttg 120
 cattagatcc ttgatcctgg tgtttttgat tgggtcatga cttatttcct ttccatggtc 180

ctttgccttt tcctttgtaa gtggattgtg cctgaagtgc ctgttcttga ttggatcttc 240
tctcattgat ccttatttca tgtgcctcaa tagagcgctg caattcttca atctccatga 300
tgtctaagtt ccttgactct tcaattgcaa caaccacatg atcaaatcat ggtggcaaag 360
tcctcaagat cttgtctacc acttgttcat cagagatctt gtctttacat gacttcatga 420
cattgaccag ttcttg 436

<210> 8849
<211> 321
<212> DNA
<213> Glycine max

<400> 8849

tctacatttc tctccacacc cattgcatgt caaactctaa ttcttctcct tctttggggg 60
gactgctggc accatctttc aatctaaatg gccaatgaat ctgcatttta tacattagag 120
cctctgtgtc tgttactaca catatcaaac cacatgcaaa aatagatgcc atttaagcat 180
aatagaagct cattaccaag ttaagatcaa cgtaatcaag ttggagttct tgaagggtat 240
tgttgatagc aggtctaacc ctttcagggg tcaagtctgt gcacccacct catgcaataa 300
tttacacaca cacacacaca c 321

<210> 8850
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8850

cgcttattgn gagccatgcc aatggtagat tgaaaactat tggtataagc gaactctatc 60
aacggaagag aactctccca actccctttt tgctctacga cacacgccct caaaagggtcc 120
tccagcgact gaatgggtcca ttcagtttgg ccatcagttt gagaatggta ggcagaactt 180
agtctatgct tggttcccaa tgctctatct aggctctccc aaaatctaga ggtaaacccta 240
ggatctctat tagacactat gctagatgga acaccatgta atctgacaat ctactaata 300
tacaggaggg tcaacttctt caaggacaat atgatattaa taggaataaa gtgagcatac 360
ttggtcagtc tgtcaacaat aaccagata gaatctaaac ctctgggggt tctagatagt 420
cctacaacaa aatccatgg 439

<210> 8851
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8851

agctttgaga ggagntttgg gacttaccgt gtactataga agattcatgt gcaactatgg 60
 acaaatagct cgacccttag ctgatttatt gaagaaggaa aatatcaagt ggactattaa 120
 aagtattgag gactctaccc agttgcagca ggctgtcacc acagcttctg tactatcaat 180
 gccaaatctt tcaaaaaaat attccataga atgtgatgca tcgggaaagg gagtaggggc 240
 tgtgttaact caagataaaa ggcctatcgc ttaattcagc aatgctttgg cagattcaac 300
 actcacttta ttaatttatg aaaa 324

<210> 8852
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8852

tgctgagggt ctccgtcaag gccagtagct tgtnttgggt cagcattgca tcttgggctg 60
 tgagctccag aaggcttctc tttgttgggt tgtatgctca atcatgaagg atggtgtgat 120
 cacaggccgc catgttctct ataagctcta ttgcctcctc tgggtgtctc aacttgattt 180
 ttccccttgc ggatgcgtca aggagtgtt ttgactgttg tcacaagcca tctatgaaga 240
 tgtttagttg caccagctcg ctgtacccat gtgtaggcat ctttctgagt agtccgtgaa 300
 aacggctcag cgcctcacag agtgattcat tgtggaattg gaggaatgag gatatttcca 360
 tcttcccctt gataagtttt gactatggga agtatttctt caagaacttt tcaacatctt 420
 tctcct 426

<210> 8853
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 8853

tccccaggcc atggaagttg cctctaatag ggaacctgca tcaactggca ggggcaggca 60
 cacttccaca ccacaccctt caaaatctat cacgcaaata tgggcctctg atgcaccttc 120
 aacttgggtga aatttctgca gtgggtgtgt catcctctga catggccaag gagataatga 180
 agactcatga tcttaatttt gtgcagaggc cagaactcct ttgtcctaaa atcatggcct 240
 atgattcaac ggatattgcc tttgctccat acggtgatta ctggagacag atgaggaaaa 300
 tatgtacgct agagcttctc agt 323

<210> 8854
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8854

tcttgggggtt ggctggctat tataggaaat tcattgaggg attntccaaa ttggcattgc 60
 ccctaactaa gttgactcgt aagaacgaga agtttgtctg gaatgagaag tgtgatcaaa 120
 gtttccaaga gttgaagagg cggttgacga cagctccggt gttaatttta cccgacccta 180
 agagaccatt tgaagtgtat tgcgatgcaa gtgggcaagg cctgtgggtgt gtgttgatgc 240
 aagaggggaag agtgggtggct tatgcttcac gtcaattacg tcctcatgaa gttaactacc 300
 cgacccatga cttggaacta gcagcgggtg tctttgcctt aaagatttgg aggcatatt 360
 t 361

<210> 8855
 <211> 400
 <212> DNA
 <213> Glycine max
 <400> 8855

ccgcggcatg caagcttggt gacttgtgta aagtttttat ttgtagagt atgagaaacc 60
 tttatgaaag ataatcttac ttgaaccaat aagattacca tgagtataa aactatcatt 120
 ctaaataattt aatgcagtac atacctgata taagtttaaa tctattagcc tacctatttc 180
 tataatgatt attaaataat ttcaataaaa cttatttctt ttaaaaaaaaa tccaccctta 240
 tatcatattt gaatccttaa tcttgaaagt aaaataattt caataaatac tcttcttctt 300

cacgtgtctt taagctataa ataaataata tttatatact aattattcat tcaaagaaaa 360
tagtgggtata aattggagaa attgcattga aaattgacac 400

<210> 8856
<211> 450
<212> DNA
<213> Glycine max

<400> 8856

gacactatat aatactaagc tgtctgacaa cttggcgatg attgatttcc aagtctccaa 60
cctccacgga attgtatcaa tggcgatccc caagtacaca caaggaggag atacacttac 120
acagtttaagg aattttgcag atttctctac aacatcccta gccactccaa agcctccaaa 180
tttactcttc tgaaaatcca ctttcgagca ggatacaagt tcaaaagatc ccatcatact 240
tttgaagact atcacattat aaacactaaa ttttcccaca acaattatat catccacata 300
ttgcaataga ttcattctctt gctctttaac accccacttt tagtcctcta tagagaattt 360
tagcaaccgc ttccctcatc aaaccgggta gcccttcttt tacaatagtg aatagaatag 420
gaacacacga gtcttcttgt ctaaccttat 450

<210> 8857
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8857

gttttaagtt cttcctcaaa actgtcctaa gcatagttcc caatgtccta ttaacaactg 60
tcgattgccc atcggtttgt gggtgacaag tgggtgaaaa taacaattta gtgcccaact 120
tgccccacaa agtcctccaa aaatggctta ggaacttaga gtccttatca ctaacaatgc 180
tccttggtaa accatggagt ctcaaatct ccttgaaaaa caaatcagcc acatgggaag 240
catcatcaac ttttttacat ggaataaaat gagtcattnt agaagaccta tcaacgacca 300
caaaaatgga gtctctacca ctgcttcgtt ttggcagccc taaaacacaa tccatggata 360
aatcaatcca aggatactcc ggaaatggca atggaatata caatccatg 409

<210> 8858
<211> 441

<212> DNA
<213> Glycine max

<400> 8858

tgtagaacgg atggacatga tatatgtcag ggtggtgggc tggttcaggg ataaaagggg 60
atgtccacca ttatttccat gacacaaatg caataatgat gatttggaaa ttttatgcaa 120
aactagtcac gcatgcacct atgtggacac aaatgtccac cattatttcc atgaggtatt 180
ttgctaccta aacatatgta tatttttgtg aggtattttg ctatatacat gcggtgccaa 240
ggtatcttgc tacctaaaca tacatatata tgttttgtga gatatttttg ctatatacat 300
gcatatccaa ggtatcttgc tacctgaaca tacacatata tattttgtga ggtatctttg 360
ctacatacat gcatatccaa ggtatctttc tacctaaaca tacatatata tattttgtga 420
agtatttttt tggttacata c 441

<210> 8859

<211> 335

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8859

accagagnc acctgctgca tgcaagctat gctgaaacat ttacaataga ccttctcaac 60
ctcagtagca aaatcaacca cagctgaaga atgatgacct ctccagcaac agatacaacc 120
ctggatggag gaatcacct aatctcatat ggtctagccc tcatcaaata caacagcagc 180
ctgctccttc catacataat gctgctggcc caagcagact cgtcatttct tcacctatcc 240
aacaacagca acagtccgcy aaattagcaa acttggtgag gctgctccac aaccttcctt 300
tgaagaactt gtgaagcaaa tgactattca caaca 335

<210> 8860

<211> 425

<212> DNA

<213> Glycine max

<400> 8860

agcttgctgc accattgaca gatttactta aaaaagaagc attcaagtgg acaccagagg 60
cagagacaac atttgttcaa ttgcagaaag tcatgacttc agtccagtg ttagctcttc 120

ctaatttcca gctgcccttc attctggaaa ctaatgcttc caacactggt attggagcgg 180
tattacatca gaatggccat ccaatagcat tttttttcca agaaacttgc acctagagtg 240
caaaagaaat ctgactaatt tagagagatg ttagcaattg ttcaagctat agctaagttc 300
agacactact tgctgggaca cacaattatt atcaaaactg atcaaaaaag cttgagatca 360
ttgatggaac aaccctaca gacacctgaa caacagcagt ggttacacag gtttttggga 420
tatga 425

<210> 8861
<211> 328
<212> DNA
<213> Glycine max

<400> 8861

actaatataa tctcagttgt ttaacatcaa aatgatatgt aaatggttta gactcatctt 60
ccatgtgac agagagatat gaaaggcatt taaaaacaag ctctagatgc aagtgtgaat 120
tggtctctac aaagaaagga aggatcttct ggtaatctc aattcaacta caccctggat 180
tcttttttaa tacaagctct ttcattcttg atctcaccac actgtacttc atcccactta 240
tgtgcagaag catacatatt tgacaagaga atatacgtcg atgaattaca cgatccttac 300
aaaatcgttc ttgaatttca gttccaat 328

<210> 8862
<211> 394
<212> DNA
<213> Glycine max

<400> 8862

cacctgatga gtgctcggtg agtgcggttg atgcatgtct tgctgcgaaa ctctgctcg 60
tgattcagag tggttgcaat cctataatga aacaacagtc tgctgagcta tagaagctgt 120
gtagtttaaa ttattcagac actatcttta tttccaagtg caagcttacc ataaccattc 180
aatgatcatg gactacatcc atctggtggc gccacaatt tgaaatttgt ggtgcaagag 240
tagctaagaa gatcagttgc atctcaagac caccgaactc taataaacgc caagacaatg 300
atcatggggg tgaggtgcaa gtctctcctt gatataacc ttatattttg attcccacaa 360
tcgatttgaa tgaagaataa ttttaatgtg gaca 394

<210> 8863
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8863

tcaagaaagt cctctccaag agtgactaat gttgctgttc agaaggctgt gaggcttat 60
 tttctgtagt tttctgttca actgcttaat tcagttgagc aagatttggt aggaaattta 120
 ttgtcttggt cactgttatt gatgacatct tttattctct tctcaggctg ctgcattgaa 180
 gggttctgat catcgctgtg ccacaaatgt cagtgttaga ttggatgctc aacaaaagaa 240
 gttcaacctt ccaatcctcc caaccaccac aattggatcc ttccctcaga ctgttgaact 300
 gaggagggtg cgtcgtgaat acaaggctaa caagtaagat atgccttgag ttgatagggt 360
 ggcttggttt cttgaccatt ttggctntta ctgaccctt tgattt 406

<210> 8864
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 8864

tctggtggga catcttgact tgctttccaa tctgacattc accacagatt ctgccttctt 60
 ctattttcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcattgcctc 120
 ttaagtgcag atgtccaaat ctttgatgcc atattttgac ttcattcttct ttggaggata 180
 gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240
 tgctgccctt cattagaact tcactcttct catttgtcac caagcattct gactttgtga 300
 agtttacatt gaatccttca tcacacaact gactgatgct gatcaagttt gcagtcagtc 360
 ccttcaccag cagtactttg ttcagactag gaagtcca 398

<210> 8865
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8865

ntagccttag gttgtccacc atgttgctcc ctctatatct ctaacaagaa gaacttaatt 60
 agttgatcaa aaatgatgtt tggacacttg ttctgaagcc aaaaaataag cgcatcatta 120
 gaactagaac aagatgggtc ttcagaaaca agttggatga ataaggaaaa gtagtacaca 180
 acaaagcaag gctaatagct caaggctata ataagcaaga aggcatagat ttcgttgaaa 240
 ctttttctcc tatagttagg cttgaagtta taagaatcat gcttgccctt gttgctcaca 300
 aaaacattaa gctttttcaa atgaatgtta aaagttcctt tttaaacagt ttcattgaag 360
 aggaagttta tgtcaatcaa cctcttggtt tgaggatcaa actttctcat at 412

<210> 8866
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8866

ttaaaatttg aatttgaaat tctgatacca atgacagatg tcgtaccgga tatcaaagac 60
 acaccagaga ttactctctg aacaatagag atcaactcta cacattcagg tccaacactt 120
 gatgttaggg taacatcaag gtggctcaca aaacactcaa gtcccaaaac tcacaaaata 180
 actcttcaat ctcggaactg gtagaaaact cgtgcagcct tcattgttta tatagcagtg 240
 tgcgtatctg ggctgcaaca acttgcgctg gataagatct atcattctcc tgaaaatctg 300
 cacttaaaga tctaaaagat aaagtttgat cttttagttt ttatctttaa tctttaatcc 360
 ctgaacgaaa ctattcaagt tgtaattcga act 393

<210> 8867
 <211> 403
 <212> DNA
 <213> Glycine max
 <400> 8867

tcaattctga atttcgagtg tctcgatata ctatgggtca caatcggacg tctgagtaag 60
 aagttattgt cgtttgaatt tgcataagac ttttgttttc aattttgagc gtctcgatat 120
 attacgagag gtaatcggac ctccgagtaa aaagttggtt ttgttagaat ttgctcaaaa 180
 cttcttttct gactttcgag cgtctcaata tactacggga cacaatcgca aatcagagta 240
 aaaagttatt gtcatttgat tttgctcaaa gcttttggtc tgaatttcgt gcgtctagat 300

atactacggg acacaatcgg acatgcgagt aaaaagttat tgtcgtaga tattgctcag 360
agcttcaatt ttgaatttcg agcgtctcga tatattgcgg gat 403

<210> 8868
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8868

ttgacgtttg tgttgaatgc attaaaggta aacagactaa aagcaagata ttaggtgcat 60
atagagttac agacatcttg gaattgatac atacagacat ttgtgggcca tttcctacac 120
cttcatggaa tggtaacaa tattttatat cattcataga cgattactct agatatgcat 180
acttgtttct tatacatgaa aagtcgcaat ctttggatgt gttcaaaaca tttaaagttg 240
aagttgaaaa tcaactcaac aaaagaataa agtgtgtcaa atctgaccgt ggtggtgaat 300
actatggcat atatgacggt tcaggtgacc aacgtctggg gccttttgcc angtaacctag 360
aggaatatgg aattgtccca cagtacacca t 391

<210> 8869
<211> 406
<212> DNA
<213> Glycine max

<400> 8869

tgtccaaaat cgtgaagtaa acctcgggtc cctgtctgat acaatactgg aaggaattcc 60
atgtgacctt actacttctt tgatatacaa ctctactaac ttctccattt tatatttcat 120
atttaccggg ataaaatgag cagatttggg gagtcaatct actatgaccc acacagcatt 180
gtgtccacga ctcatcttgg gtaaaactaga tacaaaatcc atagatatac tctcccattt 240
ccattttgga atttccagtg gctttaattc tcctgatggg cgctgggtgct cagccttggc 300
cttttgacat gtcaaacatt ttgctacata ttcagctaca tccttcttca tgccatgcc 360
ccaaaaactt ctcttcaaatt cttgtacat cttagtcatt cctggg 406

<210> 8870
<211> 173
<212> DNA

<213> Glycine max

<400> 8870

tcaaccaaga agggatggtc catttcaagt acttgaatgg atttatgaca atgcgtacaa 60
gattgaattg cccggtgagt ataatgtgag tactacattt aatgtgtctg acttaactct 120
ttttgatgta aatggagaag cggatttgag gacacaccct tccgaagagg gac 173

<210> 8871

<211> 401

<212> DNA

<213> Glycine max

<400> 8871

tgtagttgct ggaaatcctt ctggaagatt agtggatatc actgatgggt ggaacacagc 60
ttctgttggt ggaacattct cagggcctaa gcatcgcttg gccacagcag caactgtgaa 120
ggacgggaag gtgtatctga accatatggt tggaattgga taccacaaaa agaagcatgc 180
aattgttgag gcagtttttt aacgcatact ttctagaaat ctaaacattg gggaactggg 240
aatgtgggga tcatacattt acaggacggt tagttgaaat ttggtgtacc tttgcttatt 300
tatgtttggt tttgttgcac tacttggcct cagacctcaa tgcttttccc ttgaatctca 360
acctaacata agatgctcga tcgagtaagt taattaccct t 401

<210> 8872

<211> 407

<212> DNA

<213> Glycine max

<400> 8872

tatcaaaatt gaaaatgatg gttcctaadc tcaagaatct tagagtctta gattgtgagt 60
cttgccaact aggaaaacat gttaggtcat catttctca aactgtacaa agatgtaact 120
ctgctttctc taccattcac tctgatattt ggggaccaag tagggttaca tcttttgatt 180
ttcgggtattt tgtaaccttc attgatgaat ttttcagatg tacttggggt tatttaatga 240
aagacagatc tgaacttttg cctatatcca tgttgttctt taatgagatt gagaatcaat 300
ttggcaaadc aattaagatt ttcaaaagtg ataatgctaa agagtatttc tctcatgatc 360
tctcttctct tttatcttca aaaggatttt tgcacagtc tacatgt 407

<210> 8873
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8873

tggaaggtag tcatacctca caaaatatat atatgtatgt ttaggttagga agataccata 60
 gatatgcatg tatgtaaaca aaaaaaatact tcacaaaata tatatatatg tatgttttagg 120
 tagtgaaaat accttagata tgcattgtatg taaacaaaaa aatacttcac aaaatatata 180
 tatgtatgtt taggtagtga aaatacctta gatatgcatg tatgtaaaca aaaaaaatact 240
 tcacaaaata tatatatgta tgttttaggta gtgaaaatac cttagatatg catgtatgta 300
 aacaaaaaat atacttcaca aaatatatat atatgtatct ttaagtagga agatacctta 360
 gatatgcatg tatgtaaaca aaaaaaatac ttcacanaat atatata 409

<210> 8874
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8874

tgtaggcctt ggatcttctt catcaatgga gtcttttgc tcttaaagtt tgatagcagc 60
 gtaatggaga aggagaaggg tgattggaga tgccacttca aggagaagat gagtctagaa 120
 gaagctcacc accataggaa gccatggata agagcttgaa ggtaagagaa gatgaatgga 180
 gggagagggg gaaagggagc atgaaattta gtgcctctaa agaagtttga actttgaagt 240
 ttaattctca aatgatcaaa gttgaaaaaa tgcacacaca tagcctctat ttatagccta 300
 agtgtcacac aaaattggag ggaaatttga atttctattc aaattttact agaatttgaa 360
 attgaaattg tggagcccaa anttactaa ttatgattag t 401

<210> 8875
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8875

ntgcttgcat ttttcctttg cagttaagga aataaagccc aatcaatata catttggtag 60
 tgtgttaaata gttattgctg ctgctgagga tatatcattg aaccatgggc aacgttgcca 120
 ttctcacttg caaacttggg ttaagcactg atccaattgt ttcaagggct ctgcttgaca 180
 tgtatggcaa gcggggagac ataattgaat ctcaaagagt gttcaataag acacttgaac 240
 gaaccagtt tgcttgga accataatat tttcctatgc ccaccatgga gactttgagt 300
 aagtgatgag ttgcatata gaaatggaaa ggtaaggaat caatctagac tccatcactt 360
 tcctttttat ttggttgca tgatgtagaa agggcatggt tgatgtcttt g 411

<210> 8876
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 8876
 tcaacatcag actacttcca ggggtgctgga actgcttcac atggacttga tggggcctat 60
 gcaagttgaa agccttggag gaaaaaggta tgcctatggt gttgtggatg atttctccag 120
 atttacctgg gtcaacttta tcagagagaa atcagacacc tttgaagtat tcaaggagtt 180
 gagtctaaga cttcaaagag aaaaagactg tgtcatcaag agaatcagga gtgaccatgg 240
 cagagagttt gaaaacagca ggttactga attctgcaca tctgaaggca tactcatga 300
 gttctctgca gccattacac cacaacaaaa tggcatagtt gaaaggaaaa acaggacttt 360
 gcaagaagct gctaggggtca tgcttcatgc caaagaactt ccctataatc t 411

<210> 8877
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8877

ttgtaaataa gcagataaca tgaatggcta taaaattcat accgccttgg cttccttgta 60
 ctcattcact gccttgtggg aagcataact gaaattcaca tcaggtecca actcggggac 120
 aataaagtgg ctggatcaat gcacataaat caatcagggtc agtcatggca tcaccagtaa 180
 ttccttcggt tttaattata aaactccttt tagaaattta tttatttctt tttatatttt 240

tttttaattt ttaaataat tatttattta ttttactat atatctttac ttaattattt 300
 tttttcgaaa cattaataag aaacaattaa gtggacagag agataagaaa aaaatgtaat 360
 tntggcatga tagtataaat aattgacaga tttaatataa ttaac 405

<210> 8878
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 8878

tcttcccaca aggaaagaat acattgagag ccaaagtgtt ctcattttcc tttctttgat 60
 atattgatca aattcttcct ctgcctctgt gatctttatc tctatagttt ctttggcttt 120
 cttctgtgtc aggcatttgg gaagaactag tgcactttct atgaaggctg agccaccctg 180
 tgcaatgaat gggcatgtgg catgcattgc gtcaccaaca attttcactg tacctttctt 240
 gaatttgta aagaccaagt ccaatgggtgc cctatacttc aactcagtaa aatgtaagaa 300
 gctcaacatg caatttcgta ttatctccac tatcccattt gggaaacctt tcattgattc 360
 tattaatgac tgtctaataa gaattgggtc 390

<210> 8879
 <211> 515
 <212> DNA
 <213> Glycine max

<400> 8879

agcttgatca tattgcaaaa ttgataaaaa aatttttggg attttataaa atctcttacc 60
 tttctatggg atacatttgt tgatatgaac aagacctcta agctttacct tttccacgag 120
 atgaacaacc aatgaaaca tgacagtga gaataaagga ggaaatatca tttccatgtg 180
 gtataaagtg agaacaactt gattttgtaa ttagtctaaa tccttaactt tcaataattt 240
 aaccacatat ttttttaaag aatgagcata actcaattaa tactgttgaa acctcatctg 300
 acaatgtaga tcacatggct aatggtagca attgccatac caatatgtga caattgtgac 360
 tcttcaacgt tccagtcaac tttagatttt ctgagtcgat acaccaagaa atgttgcttg 420
 aataaccatc tgacacaatg atattcttta aggtgttaaa aatgttctat tacctttact 480
 atccaaagta aagatagttg gagaatatct tccat 515

<210> 8880
 <211> 654
 <212> DNA
 <213> Glycine max

<400> 8880

agcttccaat acaatcttga tagtcttcat tcagctgaca cttcctctca atgcatattg 60
 caagctgaat aacaaagcaa aaaaaacata aattttatca ctgtgtactt cataacatat 120
 aaagaccaa acatccaagc tcaactgaaat atttctagtt tttcttgtaa taacttgtct 180
 agaggtataa caatagcaac aacaaaagtt ttatcccacc aagtgagatc agttacatga 240
 atcgacacac accaacttct ttcgatgttc ttctagtctc cctatcctcc ttttcatggg 300
 gcaaaaaacc atgcaatatg ctctctcac tgattattcc ttggtataga ggtagctcaa 360
 tccaaggaag gaattatcct ctcacagagg aaatatgctt tggatatttt ggaagagata 420
 ggcatgatta attgtagacc cattgatagt cccatggatc caaatcaaaa ttttaattgg 480
 gaaactaggt gaaccatatt cagatccaga aagatataga agattagttg ggaaactcat 540
 ccatcttact ataaccagac ctgacatttc ctttgcagtt gggtcgatag taagttatgc 600
 aatctcctta tgttgatcac taaaaggctg ttcttcgcat tctcaggtat atta 654

<210> 8881
 <211> 528
 <212> DNA
 <213> Glycine max

<400> 8881

agcttttgat gcaacctcac cctcatgggg atggttatgg agataaaagt gtgtgtgtta 60
 ttcccatagt gggctcttga ggcatgggga agactacact tgcaaagttg gtgttcaatg 120
 ataagaggat tgatgaactt ttccaattaa agatgtgggt gtgtgtctct gatgactttg 180
 acattaggca gataattatt aaaatcatca actgtgcttc agcttctacc tcagctccat 240
 caattgctct tgctcaccat gaaagcatta acaacttata tattgagcag ctacaaagtc 300
 agcttagaca caagctttct ggtctgacgt atttactggg cttggatgac atatggaatg 360
 atgatcgtgc aaaatggata gaactaaatg atttaataaa agttgggtgca gtgggaagca 420
 aaattttatt gacaacacgg agtgactcaa tttgcttaat ggtgggcact gtccctctt 480

atgttttaca atgcttgtct gtgtagaatt ctttgccta ttttcatt

528

<210> 8882
<211> 313
<212> DNA
<213> Glycine max

<400> 8882

ctgagaaagt ctttccacac ataatacaaa aaggtaactg gatagaggat atctttgcct 60
aagaccctc gaaggattga aagcattact cttctcccca ttcaatagaa cttggaaaga 120
tgtgaaaggc atacactcgt aaacaatact aaggaaatgg tcatcaaaac ccaaatccct 180
caaagtgtga atgacaaaat ctactaaat gctatcatat gccttctcta gaacaacttt 240
gatcgccata aacccttttc tccctttaga tcttctcgtc ttatggaaaa cttcttgagc 300
catattacca tta 313

<210> 8883
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8883

tcagaattca atttcgcgcg tctcaataga ttacgggact caatcagaca tcctatttta 60
acattattgt cgntngaatt agctcagagc ttcagaattc aatntcgatg gtctcgatat 120
attacgggtc tcaatcagac atctgagnta aaaaagttat tatcgtttga agttgctgag 180
agcttcaaca ttcaatttcg agcgtctcga tgtattacgg gacttaatca gacatccgag 240
taaaaagtta tcgtcgtttg aattttggtc agagcttcaa cattcagtct agagcgggtc 300
gatatattac cgggactcaa tcagacatcc gagtaaaaag ttattgtccg ttgaaaatcc 360
tcagagcttc ggtattcaat ttcgagcgtc ttgatatt accggactca at 412

<210> 8884
<211> 450
<212> DNA
<213> Glycine max

<400> 8884

agctttgagc aaattcgaac gacaatttct tttatcttgg atgtctgatt gagtcccgta 60

atataatcgag acgctcgaaa ttgaatgatg atggctcgttg caaattgaaa cgacaataac 120
tatttactct gatgtctgac tgagtcccgat aatataatcga gacgctcgaa attgaatctt 180
gatgctctga gcaaattcaa acgacaataa ctttttactt ggatgtctga ttgagtcttg 240
tgatataatcg agacgctcga aatttaatac gaaagctatg agcaaattca aacgacaata 300
atTTTTtact cggatgtctg attgaatctc gcaatatatc gacacgctct aaattgaatg 360
ttgatgctct ggtcgtatTT aaacgacaat aatttttccg gcagcattgc acaattattt 420
acaatccctg gtcgatatta tttatttatg 450

<210> 8885
<211> 595
<212> DNA
<213> Glycine max

<400> 8885
agcttgctta agcaaggaag ttgcgatagg cctatgtcca tatccgaata taaaagacct 60
gaggtgcaat agaagaggta ttttgggtgct attcagacaa caacattatt cccaaggctc 120
ttagttttga tttattacat gtttgtatgc ttgatcgtga gaattgtaat caagctctga 180
gtagtgaatc ttttcatttg tcgggggttg ataggctaaa ctttaatttcg tgtaatactc 240
ttttttaata tagttattca tatttattac tcttcttctt ctcttaatgc ttgttttaga 300
ttgatcacat gttatttaat attacgaatt gatagtttag ttggtagaca ctcgtttgat 360
tcttgaactg agaataatac ctaatgggat tgattctaga catagttcaa ttttaattag 420
actcccttaa ttcttaacaa ttaatgtag ttatttagat tgattttcta agacattagg 480
aattaatcta aataacttag acttttcacc taaggcatta tgggtggaat ataactgtga 540
attatggata aattgcgtga attactagat tgatcaggat ttttgtattg aaaaa 595

<210> 8886
<211> 558
<212> DNA
<213> Glycine max

<400> 8886
agcttgaagg tgtgtagccc accatctttt ctatagttta atactggtaa tgtgtctact 60
atcattgtca tcattttttt tcgtcattga ggtgccactt aagctgccag gtctctccac 120

ctttgggcgt attctttgaa agatctgtgc ccctttttgc acatgttctg ttgttgcac 180
ctatccggaa ccatatccaa attgtgctaa tactgcctaa cgaaggcaaa cattatgtcc 240
ttccaagagt ggactcgaga aggttccagg ttggtgtacc aggtaatagc taccacagta 300
agattttctt ggaaggaatg tatcagcaat tctcatctt ttgcgtatgc ccccatcttc 360
cgataatata tcttttagatg gttcttgggg caagtagtcc ccttgtactt gtcaaagttc 420
agttccttga acttgggagg gatgacgata ttgggttcta gggacaactc ttctaggtta 480
gcaatggcct taatttttac attcttcaat ggccctggac ctttcttcta gatgatccaa 540
ctttcctatt tctgtcat 558

<210> 8887
<211> 623
<212> DNA
<213> Glycine max

<400> 8887

agcttgaggt taatctcaaa gctatataaa cataaccatg taagagaatt accaagtatg 60
ccatacaagg atgatttact ttgtgtggca tgtccaaagg gaaaacaaat caaaaactcc 120
ttttcaagta aaaacattat ttccacctca acacatctaa acttgttaca tcttgatag 180
tttgggtctag ctagaacaac atccataagt ggaaagaagt atgaacttgt catagtggac 240
gactactcta gatgttgaat tagagtgtt gaagatttga agactagtct taggatcttt 300
tgattttaat aattttgcat tgccaaacat atttctaaag ttatggaatt tttattggat 360
gttcttagac ttggcatgtt gagtgtttta ggcttttttg ttatcaaaca tgagaagata 420
taaaaagttt ctaagaggca ataagttcaa cactgtgtaa tagattactg agtttaagta 480
atcaattaca aagtattaga acaagaaaca aaacttacct ctcttgaaat attggcaagt 540
tttatcgaaa taactgatta ctaaattttg taatcaatta ccacttattg aataaattaa 600
atgcatctat aacttatgag ctc 623

<210> 8888
<211> 626
<212> DNA
<213> Glycine max

<400> 8888

agcttaggtg taacaaatat ccatgcttta ttttgtttca aatatccatt gaagtaaagt 60
gcaattaggt gtaacagata tccatgcaag aaattgtagt gtgggttaca aaccactgta 120
tatttatcat atgattatta atgtgtactc ttctaaatta actaatacag ctaggataag 180
taccaacttg gttactggaa atatattatt tcgttathtt atggagcact tattagtggc 240
ttgtacaggg tacaactttt attttatatg tcaactgaaa ttgttathtt catgtaactt 300
tacaaataaa actgaaattg gttggataat gtagtgacat gactactgtt gaagattatg 360
ataaggggag atgacttccc ttcaaaattt gactgggttg atgttccata tatgtcttat 420
ctgttgactc gctctaaatc tggacaaata ttactcttca gtaactggag agaaacaggg 480
tgaatgatct tatatggttg atttgttcta taattgaatc tccaatttat aattaaaatt 540
gagtcaagct ctacagcatg attattcatc tactcttaaa atatgtaatt actggtgacc 600
atacaatcaa tattgaattt tatttt 626

<210> 8889
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8889

atgaagctct gataccactt gttagacaag tgggctctga tatcttaaga aggcggttg 60
aattaagata ttacaaacta tttccccaat aaaaattcta tttcactttc tattcaagtt 120
acaaattccc ttaacaatga attccttaaa taatgattca natagaacaa tttgaatata 180
aatataaaaa aataatagat aaaagagggt aagggaagag aaagtgaana ctcagaatta 240
tactggctcg gncacacnct tgtgcctacg tccagtcacc aagcaaccg ctggagaagt 300
ccactatctt gtaaaatcct tctacacgtg ctgaacaca 339

<210> 8890
<211> 563
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8890

agcttgaagg tgtgtaaccc accatcttct cttagtagaa caccagtaac atgtctacta 60

tcatttttat catctccctt tttgtcattg ggggtgccac ttgggctgcc agatccctcc 120
acctttgggc gtattctttg aaagattcgt gccctttctt gcacatgctc tatagttgca 180
tcctatctgg agccatatca gaattgtact gatactgcct aacgaaggca accattaggt 240
ccttccaaga atggactcgg gaaggttcca agttagtata ccagggtgata gctaccccag 300
taagactttc ttggaagaaa tgcataca ttttctcctc ttttgctac gccccatct 360
tccgacaata catttttagg tgattcttgg gacaagtagt ccccttgtag ttgtcanagt 420
ccggcacctt gaacttggga gggatgatga cgttgggtac taggaacaac tcttttaggc 480
tagcacaggc atagtctttg ccccttcaa tggccctgag cctttcctct agatggtcca 540
tcctttcctt tttccgtata cca 563

<210> 8891
<211> 537
<212> DNA
<213> Glycine max

<400> 8891

agcttgccgc cacggagttt tccgactatg ctcttggtgt gtggaacaag ctacaaaagg 60
agagagcaag aaatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120
ggaagcgata tgtgccagct agttactcaa gggacttgaa attcaagctc taaaaactaa 180
cccaaggcaa caagggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
caaattattga agaagatgag gaggttaacta tggctcgatt tcttaatgga ttgactaatg 300
atatccggga tattgatgag ctgcaggagt ttgtagaaat ggatgatttg cttcaciaag 360
caatccaagt agaaaaacaa ttaataagga ggggagtggc taaaaggagt ttaccaact 420
ttggttcttt taattggaaa gacaaaggta agaaagatgg ggctgctact tctaatagat 480
ccacacctac ccatacaaa attcgtttca agtgcctaaa gggacccttt aaaagga 537

<210> 8892
<211> 231
<212> DNA
<213> Glycine max

<400> 8892

ctagtatgtc atgcaggatg tgtctgtttt tattgatagt gtctgcctct catcaataag 60

accagatatc acttgtctca atctatttgc tcataactta gctatcagct tgtacataca 120
 tcccatcaag gagaatggtc tgtagtcac tc aaatgactgg cgatgttttag ttttgggaat 180
 tagagctatg aaagaagcat aactgcttct aggtagctgt catgcacatg g 231

<210> 8893
 <211> 593
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8893

aaaaaaaaatc aataactaaga ctaaccatca gcatatttag cattaaactn ttcataaatt 60
 tagtatcttc attcaaccat caaacgtatt agagaaaaga agaattgat tttacctcca 120
 ccttttccat tttcataccg gaaaagtttag aactttttaga taccttagga atgacatcat 180
 tagagtcttc aatgtattct cctcttccc aacatatcaa gtcataataa acctcaactt 240
 ccgcagtgat tgttgatat caccttggag atcctttgct aattaacaac cctgtaagc 300
 tcagagggtt gcacttaatt ctaattgagt gacctttata cctgagaat attagtaatt 360
 ggaaggatat tttatatcat atctcctcta ttatattaaa attaagacag atgattaatt 420
 atatctatta ttgaacanat ctctcttta aaatattaaa gttattgagc attctatgac 480
 acctttcttt atttaattta tcaactattgt tttaaagtat taagaatata tatatttagt 540
 gagatatctt tatttaataa atataatatt atgatatata gtattaacat tat 593

<210> 8894
 <211> 577
 <212> DNA
 <213> Glycine max
 <400> 8894

agcttaatct cctccaactg cacaagggtc ttattatttg aagagtatcc ttgtggaacc 60
 ttcacccgaa gaagacactg acaaaaactt atcttctcct ttttggacaa agtatggcaa 120
 gctgggggca agtaaatttt ctcccatca gadcttggat gcaactgtga tcgtatgccc 180
 atataagcta gatcttgacg agtattcaag ccaccttcg tcttgcttg aatgttaagg 240
 agcgtcccaa tcacactgtc acaaacattt ttctccatat gcataacatc aatacaatgt 300

ctaacgtcaa gatcagacca gtacggaaga tcaaagaaaa tgaacctctt cttccataag 360
 caaatcttac ttttatacctt cttttgggtc tttccaaata cagtattcag gtgttgaacc 420
 cgctgatata cctttctacc agtcaatggg atcggcacia tatcgtgctc ttgacttcca 480
 ttaaaagcct tttttagtcg tctgtaagga tgattgggtg ttagaaaacg gtgatgccta 540
 ctatagacta ttattcttcc atgttatagt tgtatgt 577

<210> 8895
 <211> 511
 <212> DNA
 <213> Glycine max

<400> 8895

agctttgacc aaaatcaaac gacaacaact ttttactcgg atgtcggaat gaatactgta 60
 ttatatcgag acgctcgaaa ttgacaatat atcgagacgc tcgtaattga aaccaaattgc 120
 tcgaagcaaa ttcaaacgac aataactttt tactcggatg ttcgaaatgaa tcccataata 180
 tatcaagacg ctcgtatttg aaaacataag ctctaagcat attctaataa taataacttt 240
 ttactcggat gtcggattga gtcccgtaat atatcgagac gcccgtaatt gaaaacggat 300
 gctcgtagca aattcaaattg acaatatcga gatgctcgaa attgagcaat ggaagctctt 360
 gagcaattca aatggtcata acttttattt cggaggtccg attgaggcgc ataatatatc 420
 gagacgctcg aaattgaaca atggaagctc ttgagcaaat caaatgggtca taacttttca 480
 ctcggatgct cgattcaggg cacataatat a 511

<210> 8896
 <211> 510
 <212> DNA
 <213> Glycine max

<400> 8896

agcttggagt cgctccaaca atttatatac ttatctccta cctccttagc caatcttagg 60
 tgggctaaaa ggggtttcata ctcaacttta ttattcgtca tctcaaactc gaaccttagg 120
 gattgctcta tgattacttc acctatgctt tctaggatga ctccagccct actccctttt 180
 ttcatgggat gaaccatcta cgtatagctt ccacctctca gattatgggt ctgtagtggt 240
 tgtcattttg gctatgaagt ttgctaggca ctacgccttc attggaccta ttggctcata 300

tttaagccta aacttgga acttgatcga tcaggctatc attcgactcg tgagttctgg 360
 tttcttcata actgttcaga taggggtggtc agttcaaacc acaatctaata gactttggta 420
 agaaagatgg gcttagtctc cctacaattg tgactagagc ccaaggctaa cttttcatta 480
 tttgatatca tggctctgca ttttttagga 510

<210> 8897
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 8897

agctttttaga ggtatttgac taattagggt ttattgtacc tgacatatta gggattagt 60
 ttacttgaca aattagggtt taggggttact tgacaaattc gggtttaagg gtatttgact 120
 aatgagggtt tatgtgtagt tgattaatta gggtttagtg ttacttggtt agttagggtt 180
 tgggttattt gaaaaaatag ggttgcttga ctaattgggt ttaggggtat ttgacaaata 240
 agggtttaag gttacttgac aaattcaggt ttaagggtat ttgactaatg agggtttggt 300
 ggtagttgac taattatagt ttattgttat ttgataaatt ggggtttatg acacttttat 360
 taatctt 367

<210> 8898
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 8898

atccttccag ccgacccgca ggcattgcaag ctttttagca attcaaattg tcatttcgct 60
 acactcggat gtcggattca agcgcataat atattgagac gtcgaaatt gaacaatgga 120
 agctcttgag caattacaat gggcataact tttaactcgg agggccgctt cacgcgcata 180
 atattttgag acgttctaac ttgaacaaag gaatctcttg aacaattcaa attgtcataa 240
 ctttttactc ggagggttga ttcaggcaca taatatctct agacgcttga aagtgaacaa 300
 aggaagctct tgagcaacac aaat 324

<210> 8899
 <211> 366
 <212> DNA

<213> Glycine max

<400> 8899

ataaaagcta aaactaggaa ctaggatgtt tgattttgtg acacaaaaaa ataaggcgct 60
cgaaaatgaa cagcgggaagc tcccagaaaa cacgaatggt caaacattt cactcggatg 120
actgattaga ggacacaaca taacgaagac gcataaaaat gaacagcgga agcttccgag 180
aaaatagaat ggacatacac ttacacacgg aagtccgaca cggcgataga atatatcgag 240
actctcgaaa tagaacaatg gaagcgcttg agaaaaacga atggccataa catttaaaac 300
ggatgactga accgtggaca taataaacag agacgctcga aattgaacag cggaagctca 360
cgagaa 366

<210> 8900

<211> 458

<212> DNA

<213> Glycine max

<400> 8900

tgcaagctta taagtagctg gcccaatttg atctattatc tcattgggcc cataatattt 60
cttgtaagc ttaaaggatc ccctttgttg gcctataata gaggactgtc tctgaggctg 120
aagtcgcacc atgaccaaact ctctatgtc aaaatggaca tctctacact tcctgtcagg 180
tgtgtgattc attgccagat gggccttctg aagcttcttc tttatttcag cacaaataga 240
ttctctatct gataagaact catccactgc ctccacttcc gacgagcctg taatatacca 300
tgacaagatt ggtgggtttcc tcccaaaagt aattttgaat ggtgaaacac ctaagcctga 360
gtgttgcgac gtgtttgtag accattttac ctatttaaga agcttgcccc aagaagaatg 420
tttcttttgg acgacggcat gcatgtattg ttcgatca 458

<210> 8901

<211> 380

<212> DNA

<213> Glycine max

<400> 8901

cctagtaact cagcttgcca agaatacataa atctgcacct gttgcaagaa gttgtggtct 60
atagtcttct gcatatcacc atatagatct ctatccttct ttgcagcaat ctggagtcaa 120

tgagcaacct gaagcttatg ctgccaatat ttataataga cctcctcagc agcaaaacca 180
acaacagcag aataattatg accttctcag caacagatac aatccacgtt ggaggaatca 240
tccaaatcta agatggacaa gtcctttaca acaacctcag cctgtccctt ctttccagaa 300
tgttgctagt tcaagcaagc cttatgttcc tcctacaatg cagcaactac agcagtcaca 360
acatagacaa caagcaactg 380

<210> 8902
<211> 531
<212> DNA
<213> Glycine max

<400> 8902

agcttcccaa gtttttaagt tattcctcaa ttctttttat gcaaagttcc aaaagtccta 60
ttaacaactt ccgtttgcc atcggtttgt gggtgacaag tgggtgaaaa taacaattta 120
gtgcccact tgctccacaa agtccctcaa aaatgcaaat catcaagcct aggtatagga 180
tgcctatatt taatggtgat gttattaagg gctctactat cagaacacat gcgccatgtc 240
ccatcctttt tagggaccaa aatcactggg acagcacaag gactcatact atctcttacc 300
caacctttgc taatgagttc atccacttgt ctttgaatct ctttggtttc ttgagaatta 360
cttctatagg ctggcctatt gggcaaagaa gctcccggaa tgagatcaat ttgatgctca 420
attcccctca gaggtggtag tccacttggc acatttggat cctgcaaaaag agttttaaca 480
ctagaaggca cttcaaaatc atcaaaagtg ttagtgggtca aatctgattt t 531

<210> 8903
<211> 604
<212> DNA
<213> Glycine max

<400> 8903

agctttacat gcctcatgac acctaagcac acttattgga gaatcttgga cttgatcttg 60
gattagtggg ctgaaccata actgaaattc gctgatcata attagtaaaa ttttggtccc 120
acaaaattca atttcaaatt tatgtgaaat ttgaatagaa attcaaattt ccctccaatt 180
ttgtgtgaca cttaggctat aaatagaggc catgtgtgtg cattttttga actttgataa 240
tttgagaatt acacttcaaa ttccagacct catttgaggc acaaaatttt gtgctccttc 300

tcccttccct catcttttcc tctttcaagc tcttatccat ggctttctac ggtggtgagc 360
 ttgtgcttga ctcatcttct tcttgaagtg gcatctccaa ttatctttct tccatatcca 420
 ttccactgcc atgatcttta agaatcaaag gactccattg atgaagaaga tccaaggcct 480
 accagctcca catggagcta catcatgtga tatcaagagc attttcatct aggtgatgtt 540
 cttttgcttc ctctatcctt ttggtcagtc aattcacttt aattccttgg tcttaatctt 600
 attc 604

<210> 8904
 <211> 613
 <212> DNA
 <213> Glycine max

<400> 8904

agcttgtagg cactttgaac gcaatattct ttttattttt taccctccaa atgactattt 60
 tgtttttgta ccttgcataa taggcactcg aagaatggta ttcacatccc ttagattgaa 120
 tatttgatta atcacacca cgtttcaaac tttcatgggtg aagtcacca taatatcttg 180
 ttacgtttga agattctttc atctccattt gattataaga gattcaatag tgagatttta 240
 cttcattctc aactaggggt cgttccaaat acctatatta gtaccatttc ccaactttca 300
 tttatatect ttctttatga ccattttaga agagaacata cttcaccatg taaatgatgg 360
 gttgtgcctt actaaagctt ccatacactc ttcccttaag aaatatttag ccttgatgac 420
 tcttgacagc aaaacattta gcatagaaaa gatctccat tattgctttc ctaaccatgg 480
 aaagttgaaa gcaaataat ttctaaaacc taaccctaatt ttctctttat aacacataac 540
 cctgtccaac accatccaat ttaaccctt tctacctct ttttctctaa tccccaccaa 600
 tctgaattta tca 613

<210> 8905
 <211> 549
 <212> DNA
 <213> Glycine max

<400> 8905

cttatttctt ttccatcgat tgttttctt taccattaat agattagcaa atgatagcaa 60
 gatcacagca aacaacacat taagaaggaa gtgtaaatga gatgcataaa tatgaaagat 120

gagtataaat catagcatag agagcagtggt gtcaataata gcaatcacgg ctaaaacctg 180
cattatttca tgaaggata agttctgcag ttcttacatt acatcaagcc aatgatataa 240
catgacagca taccttgaga cctgcaaaaa tatatagcca gatataatta ataaaaagaa 300
aatatagtat gatgaacctt aactaaaaat accatagaag taagattcaa tcaattgaga 360
caaagaaact tctaacaaag aattatgaag cttcaatttt tataaccgga catacatggt 420
ataaagtaca attaataatta aaatgaacag atacttcaat gataatgaaa agatacttgc 480
tgtataatca aatttgcaac gagcagaaaa caaagaaggt ataggaaaaa agtcccgtct 540
ttgcttggg 549

<210> 8906
<211> 373
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8906

aagttttctt gacattgctt gttgctttta ggatggagat tgaagaggt tgaacatata 60
cttcgtgatg ggtatgatga ctgcatgaaa catcatattt ggggtgttggg tggaaaatct 120
ctaatacagg ttagtgggtg ggatgatgta gttaacatgc atgactttgt tcangacatg 180
ggcaagcgaa tagaccaaga ttctcataa gatccagga agcgaacgag attgtgggta 240
acaaaagata taattgaagt ttataaagc aactcggtta gtgagaggat ggcttcttat 300
cttgattgtt ttttctatct tatctttaca tcatagacaa agctttgtat gataattcgg 360
aattttttta aca 373

<210> 8907
<211> 588
<212> DNA
<213> Glycine max
<400> 8907

agcttggact tcctgtgttt tgggaacctc tcttttctct tttgtacca aaccaatca 60
cctgggtcaa gcacgacttt ctttatgctt ttgttggctt gccttgcata gctcgcattt 120
ttcttttcaa tttgaacctt cacttgctca tgcaactttt tcacatactc agctatagcc 180
tgtgcatcct tatgcttaaa catagcaatg ttaggcatag gcaacaaatc aagaggagtc 240

aaaggattaa atccatacac tatctcaa at ggtgaacaat tatttgtgct atggacagcc 300
cgattataag caaactcaac atgaggcaaa caggcttccc aagatttaag attttttttt 360
aaaacagtcc taagcagtgt gcctaaagtc ctattgacta cctcagcttg accatcagtt 420
tgtgggtgac aagctgtaga aaacaacatt tattaccaat cttacccac acggtccttc 480
acaagtgact aaggaatttg gatccctatc acatgcaatg ctccttggtg atccaagaag 540
ccgccctatt tttttgaaaa actgatcagc cacatgacaa gcgtcatc 588

<210> 8908
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8908

cttctatgga atgttcacaca agaatatgcc aaatgaatat tccaagaata tgccaaagaa 60
atattccaag aatatgccaa aggggaggaa aactacacac atctcttcaa tagctaagct 120
cacacccatg tcaaaatata cgaaaatata aaagaaagtc cctactacaa agactactca 180
aaatgccttg aaatacaagg ctaaaaccct atactactag aatgaccaa atacaaagcc 240
caaaagaagg aaaacctatt ctaatattta caaataagag tggaccaaac cttggcccat 300
gggctcagaa atctaccctg aggttcatga gaatcttagg gccttcttta gcaactctag 360
ctcaatectc tggagtcttc tatccaatac ccttgngnga taggattgca tcatccctc 420
ccccttgaaa ag 432

<210> 8909
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8909

acttgatgcc ttgggtcattc tagtaactta tctngccatg aataaaaaat ctgcacatgt 60
tacaagagtt tgtggtctat gttcttctgc agatcatcat acagatcttt gtccttcttt 120
gcatcaatct ggagtcaatg agaaacctga agcttatgct gcaaacattt ataatagacc 180
tcctcagcag caaaaccaac aacagcaaaa taattatgac ttttcaagca atagatacaa 240

tccagattgg aggaatcatc caaatctgaa atggacaagt gtcataccct aatttcgtcc 300
 ggngaccatt gtttgatggc atgcaacctt tggttgaccg cttcgaggta cttggcaccc 360
 tttgctgcac aataacttgaa gtttcgagac at 392

<210> 8910
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8910

nggctatctg attatgcagt gcctcctagt tgactagagg aacagttggt ggtcgccccat 60
 gagcacactg cacagaaaat tcccattttg tcaaaaatgc tgcctttcct ctcaatagat 120
 tcacaaacat gaaaacgtat atcttacttg gaaacaaagt gatgtatggt ttagctcttc 180
 aactataagg gaacattctg atggtagcaa tgaatcccca aacataattg caccttcaat 240
 aaaagagcat tatgattaa ttaaaggaat actaccaaac ataattgcac cttcaataaa 300
 agagcattat gattaaatta aaggaatact accgatgact gcaatatgcc ctcccaaaat 360
 aaggaaatct gacaggatcg ggctgccaac agatgggggt ttcatgcata gtattgangg 420
 aaaacaaagg taatatcata tgtttctg 448

<210> 8911
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8911

agcttggtgt ttgcgacgcc aacggagact actcaacacc atcggtattca tattcatgat 60
 cttgatcttg atcctcgtac gctgttgatg aggagcgggt tgagtggcca gtagttttga 120
 aacggtgtag tgtggggcca gtggagtgca ctgttgaaga attaccaatg gggcttccat 180
 ccatgattcg tgcactcgac tttcctagcg tcaactgtcc tccctgcttc ttcttcgcag 240
 ccatgtgcca tttcttcaga gccttgtttg tttgctcgtc aaatattgct gntttcatcc 300
 ttgaacccat ctgcgtgtat gtatgtgtgt gtttacagt atacattgtc gtcaattaga 360
 ccaattcaaa cgtttatagc ttgcaaaagt aaatcgtgta atattaca 408

<210> 8912
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 8912

attatgcgct tgaatcggac ttccgtgtgt aaagttatga ccattggaat ttctcgagag 60
 cttccaatgt tcaatttcga gcgctctgat atattatgca cctgaatcgg acttccgtgt 120
 gacaagttat gaccatttga atttctcgac accatacggg gttcaatttc gagcgtctcg 180
 atatattatg cgctgaatc ggacgtccgt gtgacaagtt atgaccattt gattttctcg 240
 agagcttccg ttgttcaatt tcgagcttct cgatatatta tgcgcctgaa tcggactttc 300
 gtgtgacaag ttatgaccat ttgaatttct cgagagcggt cgatgttcaa tttcgagcgt 360
 cttgatatat tatgcgcctg aatcggac 388

<210> 8913
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 8913

agcttctaga tatattatgc gccggaatca gacttccgtt tcaaaagtta tggccatatg 60
 aatttctcga gagcattcgt tgctcaattt cgagcgtctc gatatagtct gcgcgttaat 120
 cggacttccg tgtgacaagt tatgaccatt tgaattactc gagggcttcc gttgttcaat 180
 ttcaagcttc tcgatatatt atgcgcctga attagacttc cgttacatag gtatgaccat 240
 atgaattgct cgagagcctt cgttgatcaa tttcgagcgt cttgatatta tatgcgcctg 300
 aatcagactt tctggtgata tgttatgacc actttaatt 339

<210> 8914
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 8914

acctgctcat atactagacc ttctacatta atgttgctct caagaggctt gaagggttga 60
 gaaccttggc agaaggaacc aaggcaatca tcaacttggg tctcgaaaag gttcctgtcc 120

ctggagagtc tggctttcca tttccgggcc tttccctct tctcaatca cacaaggaag 180
 caggagaatc ctgtcatcac tattctttca tcttgatttt cttatgagca gatgcataat 240
 taagcttagt tcaatcatat atatagtcaa tatgttagta gttagcttta gatttaatta 300
 ctcatttagt ccttacagct acacaaactt taccttttta gtttttatac ttaagaatta 360
 tccatattgg tccctaccca tacaattttt aatccgggtga tataattttt atccctttt 419

<210> 8915
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 8915

agcttgtaag gttaaagtct cagcattgtc acgtgctcat gcaacaattg ttagccgtgg 60
 ctatacgaga catctttcca aacaaagtca ggtagccat aactcgcctg tgctttttct 120
 tccatgctat atgtagctaa gtcattgatc ctgtgaagtt tgatgagctg gaaaatgagg 180
 ccgcaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
 ttcacttgat tgtgcatcta gtcagagaaa tcaaagtgtg tgggccagtt tatctacggg 300
 ggatgtaccc ggttgagcga tacatgaaga tcttaaaggg tatacaaaaa atcta 355

<210> 8916
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 8916

atgatgcaac tgaggtagga gctattttca tgcactctct ctaatgatta tggcatcata 60
 tctggcgcta aactgctgag agttggaagc catcttctca attaaatttc tggcttcagc 120
 aagagtcatg tttccaaagg ctccaccact ggcagcatct atcatacttc tctccatatt 180
 actgagttct tcataaaaaat attggagaag aagctgctcc gaaatctgat ggtgagggca 240
 actggcacac agttttttta atcgctccca gtactcatac aggctctctc cactgagttg 300
 tctaatacct gagatatctt tctaatggc ttgggtcctg gaagcagggg aaattttttc 360
 taagaatact ctcttaaggt catcccagct cgtgatggac ctttgagcaa ggtaatacag 420
 ccagtc 426

<210> 8917
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8917

agctttgaat gcactattca atggagttga caagaacatc ttcagactga tcaacacttg 60
 cacagtggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120
 gaagatttcc agattgcaac tcttggctac aaaattcgaa aatctgaaga tgaaggagga 180
 agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgcct gcactgcctt 240
 gggagagagg ataacagatg aaaagctggt gagaaagatc ctcagatcct tgcctaagag 300
 atttgacatg aaagtcactg caatagagga ggccaagac attngcaaca tgagagtaga 360
 tgaactcatt ggttctcttc aaacctttga gctatgactc tcggataggg ctg 413

<210> 8918
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 8918

agctgggttaa aattgactta aaatcatctc tgtgcactag tgatagatac cataatttca 60
 ttttgttccct taacctttga attgttggtg aattttatct cttcaaatta aagtgcata 120
 ttttacatcc aactttaaaa aacttgtaga ttttatccct agttaattat ccattaaaag 180
 cttgtcataa aaaagttagg agtaaatttt accaaaataa ataaaaaaca atgggggtaa 240
 aaaaatgagg agtttagaat aaaaagtga attatgtcta aagtataaaa acaagggatt 300
 aaatttgcac aattcttaaa attcatgggt aaaatcttc 339

<210> 8919
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8919

ggagaattga ctaagaaatc actacgcana gtttcaaact cgaaggtgga ggacacatga 60

acgaaaacgc aattcatggg ctcttaaaaa ggggtggagaa tggagaattg cactaagcaa 120
 tcactacgca tgggtccaaa ctccaaggtg gaggacacat gaacccaaac gcaattcatg 180
 gggctgcgaa aaagggggtg agaatggaga attgaactaa gcaatcacta cgcattggctc 240
 catactcgaa ggtggaggac gcatgaacga aaactcaatc catgggtgctc cgaaaaaggt 300
 gagaatggag aatngcacta agaaatcact acgcaaagct tcaaactcga aggtggaggt 360
 cacatgaacg aaaatt 376

<210> 8920
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 8920

tgagaatgga gaattgcact aagcaatcac tacgcatatc tccaaactcg aagggtggagg 60
 acacatgaac gaaaacacaa ttcatggggc tccgaaaaag gggttgagaa tggagaatta 120
 cactaagcaa tcactacgca tagctccaaa ctccaaggtg gaggacacat gaacgataac 180
 gcaattcatg ggggtccgaa aagattgaga atggagaatt gcactacgca atcactacgc 240
 atagctccaa acgccaaggt ggaggacaca tgaatgaaaa cgcaattcat ggggtccgaa 300
 aaagattgag aatggagaat tgcactaagc aatcactacg catagctcca aactcgaagg 360
 tggaggacac atgaat 376

<210> 8921
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8921

gatacagggg tgcccagtga ggctgttaag cgggttgagt agtccatggg agttgaggcg 60
 ggtcgagaag caaacatgcc tgagtcagac aatatatcca agacatattt tcattgagat 120
 aagtgaatgc ctttgttatt gcgagcaact tcaaggccga gaaagaactt taagggtgcta 180
 aggtccttaa tgctgaaagc tgtatcaaga aggtttgtga tatgtgtgat ggtgtcgaga 240
 ttgttacctg ctaggattat atcatcaacg tatacgagaa cagcagtgat atcatggtta 300

tggaagtgga gaaagagga atgatctgtt gtagattgac ggaagtcgtg ggagatgagg 360

aaagaagaga gtcgtgtgaa ccattgacga ctggcttgtt tcanaccata taatgaaca 419

<210> 8922
<211> 429
<212> DNA
<213> Glycine max

<400> 8922

agcttatggc ggcaaagggg aagctatcat gcctcaagca tgttgatggt ggtgcttgtg 60

aacattgtat ccttggaag cagaaaaagg tcagtttctc aagggcaggg aagactctga 120

aagctgaaaa gctagaattg gtgcacacag atgtttgggg gccagcccca gtgaaatctg 180

ttggaaactc acgctattat gtcaccttta tcgacgactc taccagaaag gtatgagttt 240

atcttcttaa aaataaatct gatgtgtttt ctgtgtttta aaggtggaag acagaagttg 300

aaaatcagac aggtctaaag gttaaaagtc tgaaatctga caatggtggg gagtatgata 360

gtcaggaagt taaagacttc tgttcagaac atgggatcag aatgatcaag acaataccaa 420

gaacacctg 429

<210> 8923
<211> 420
<212> DNA
<213> Glycine max

<400> 8923

agcttaccac ctctcccatc atgcaacctc cgatttgaga gcttccattt gagatcatgt 60

gtgatgcctc taattatgca cttgggggtg tttttgtcgt agagagtta tagactatca 120

cacatcattg cttatgtatc acgcactcta gatgtagcct aagtcaacta cacgaccacc 180

acaaaggagc ttttagctat tgtttttgca tgagataaat taagatctta tttgctttgc 240

tcccatatta ctgtctatac tggccatgca gccttgaggt acctattgaa gaagcttgat 300

gctaaattca gattgatcag atggatgctt cttctttagg agtttgatat tgagagcaga 360

gacaagaatg gagcagaaaa ctcggtggct ggtcatttga gcatgattga gggacgtgac 420

<210> 8924
<211> 417
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8924

tgaacaacgg aagctctcga tttaatcgag tgtgtcataa attttcacac agatgtccga 60
ttcggggaaa taatatatcg agacgcacga aattgaacaa cggaagctct cgagaaantt 120
gaatggatcat aacatttcac tcggatgttc gatccgggga cataatttat cgagacgctc 180
gaaattgaac aaccgaagct ctcgacaaat tagaatggtc gtaacttttc acgccaatgt 240
tcgattcggg gacataactc atctagacgc tcgaaattga acaacggaag ctctcgagaa 300
atttgaatgg tcataagttt tcacacggat gtccgattcg ggaacataat atatcgagac 360
gatcgaaatt gaacaacgga agctctcgag aaaatcgaat ggtcataacg tttcaca 417

<210> 8925

<211> 229

<212> DNA

<213> Glycine max

<400> 8925

cccatttata actacgatgc gaaacagatt tatgtcctat gggtatgaag aactggaata 60
tacatgcatg ccctaattgat tgcattcatt acataaatta gatttttgaa gatgtcacat 120
gccccacacg cgggtgatca catttcaaag tgaaagatga taaatgtagt gatgaggcaa 180
cctcatgcaa caaccatcca acaaagggtg gctgggtatct ttcaattat 229

<210> 8926

<211> 365

<212> DNA

<213> Glycine max

<400> 8926

tgtagacatg caagcttcac acaatttatt tttcccaaac ttgagttttg gaagatcaat 60
tactaagtct ttcttaacta gatgattgag atgatgcatg tttatgtgtg cagttctacg 120
atgccacaac catgaatcat ttatcttact taccaaacag atcaactcat gaaatgatgc 180
atgttcaatg tttaacatat agatattacc tattctcttg ccaatatgga caacatcaca 240
gagcatagct tcactagtaa gacaaaaatt cttgttgaat tcaattttga agcctttgtc 300
acatagttga ctaatgctca ggaggttatg ctttagttca tcaacatata gaacattctc 360

tattt

365

<210> 8927
<211> 414
<212> DNA
<213> Glycine max

<400> 8927

cttcatgctt aagtatgtat ggcaaaactt cattactggt gatcaagaca tacaagtgag 60
cttgaacaa atgttctaca cttggagtga tcacatgcag tcctcttgaa cccttaccac 120
ccactctgtc atcatgccaa gactcaggaa ggccaacagg tttagccttc tctaagtatt 180
ttgaacaaaa ttcaatggct tcttctgcaa tgtacctctc aacaatagac gcttctggac 240
gatatagatt ctttgtatac ccttttaaga tcttcatgta tcgctcaacc ggggtacatcc 300
accgtagata aacaggacca caacatttga tttctctgac caaatgcaca atcatgtgaa 360
tcatgatgtc aaagaaagca aggggaaaat acatctccaa ctggcacagt ataa 414

<210> 8928
<211> 361
<212> DNA
<213> Glycine max

<400> 8928

tagagcacct cctttcttac ctcttccttc atcgggtggat tcaaccgcct ctagggttgt 60
cggactggct tgtagtcttc ttccatcatt atcctgtgca tgcagtaagc aggggttgatt 120
cctttgagat ccgatatgtg ccattccaatt gctttcttgt gtttcttcag aatgtctacc 180
aacctgtttt cttcttctgt tgtgagtga ttactgatca ctataggctt atcttctctc 240
aagaacatat acttcagatg attgggcaat atcttcaact ctaccttctt cttctcggac 300
gaaacttcct tctttagtgt ctcaaaatcg gcttctccct caggaatact gtcttgatga 360
t 361

<210> 8929
<211> 404
<212> DNA
<213> Glycine max

<400> 8929

agcttaacaa agttattcaa catagaaaat aagattatga agtagtaact aaatggtagt 60
aattagttga tttcaaacaa aatgtgagga taaagaaaat attgtagaca accttccaat 120
gatgcaacaa tgcccctgaa attttttgcc ccaagcttgt gtagatcctc agcaacctag 180
attggatata tgcaaacatt tatecctaga accacaacag cgcccaatgc aatgagaaaa 240
atctatcaac agctgtttca acaaactctc ctgtatgata ccctgataaa taatatagca 300
ataggtgatc aagaacacac gaaaaccata ttcacaagct ttcattggtg gatattgttt 360
tgcatatgtg gcacaaaatc ctaccactca cacgtcataa tcct 404

<210> 8930
<211> 400
<212> DNA
<213> Glycine max

<400> 8930
tcgctcgaag gcaaactgga tgcattggtt aacttggtaa cccagctggc cttgaatcag 60
aaatctgtac ctgtcgcaag ggtttgtggt ttgtgctcct ctgctgacca ccatacagac 120
ctttgccctt ccatgcagca acctggagca attgagcagc ctgaagctta tgctacaaat 180
atttacaata gacctcctca acctcagcag caaaatcaac cacagcagaa caattatgac 240
ctctccagca acagatacaa ccctggatgg aggaatcacc ctaacctcag atggtccatc 300
cctcagcaac aacaacaaca acctgctcct tcctttcaaa atgttgctgg cccaagcaga 360
ccatacatc ctccaccaat ccaacaacag caacaacccc 400

<210> 8931
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8931

agctntgaat gctctattca atgagagtta caagaatatc ttcagactga tcaacacttg 60
cacagtggcc aaggatgcgt gggagatcct gaaaaccact catgaaggaa cctccaaggt 120
aaagatgtcc agactgcaac tattggctac aaaattcgaa aatctgaaga tgaaggagga 180
agaatgcatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240

gggagagaag atgacacatg aaaagctggt gagaaagatc ctcagatcct tgcctaagag 300
 atatgacatg aaagtcaatg caatagagga ggccaagac atttgcaaca tgagagtga 360
 tgaactcatt ggttcccttc atacctttga gctaggactc tcggataggg ctgaaa 416

<210> 8932
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8932

cagaccaagc ttggaaagat tatcaccatc atttagtata catcgttcat aatgggtccac 60
 cacttgaaag agggcttgca ccagcgtaga ttttccattc cctgtcctgt ctactatacc 120
 aattttcttt tgtcctgaga agatacaagt aacatctttg aggaccatag gagcagcagg 180
 gtcattctgt atatgaaggt tatgaagttc aacttttccc tcctttggcc actctgggtc 240
 aggctgcaa tcttgaatgg tagaccttgg caaagtaacg aagatggctc aagaacaaaa 300
 tacaagacca tattgaagag gaaatngatt ctgacagaca accattccaa gctgccaaaa 360
 ttgtaaaagg ccacctgaga ataatcatca attagagcct taactttgat caagaatag 419

<210> 8933
 <211> 446
 <212> DNA
 <213> Glycine max

<400> 8933

acctgtggca tgcaagcttc taaacaaatt tattcaagca aatgaaattt gagaaatcca 60
 gaacacatca aaagatgaaa caagaagaat atagggttgt ttggataaac aactataaaa 120
 gggcttattg aataagtatt tatcatgtaa gcacttgat agtttttata atcaaaaaag 180
 aaataggctt aaactatatt catataagtt gtaaggttgt tttcataata ttttgagag 240
 gttactgaaa taagctaaaa ataacttatg aagataacat tagttatttt cataagcttt 300
 ctaaaacact tacacaagtg cttatatagt tatatcataa gataagtcca aataagtagt 360
 aaataaggct tccaagcat acccttaagt tattgaattt gagagaatta aattaacaaa 420
 ataaaatagt caaaggacaa taaaat 446

<210> 8934
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 8934

gtaccttgctc attatgtggtt acatggaata tcactaatat gagattatcg tatgggtggct 60
 acctagctaa gggagaaatt tctgagtcaa tctgtaatga agtcaattca attgtagttc 120
 ttgttctttt gtcattgtgc tgatccattt atgaagatag gcattccttt agctctggca 180
 atatttggtc tatgtctggt cttttcagct gcagttggta aaatgcaaga caaggcaatc 240
 tctacagctt tccatgcaga attgacattg aatgcttcct ttaacttcgg atcaacaatg 300
 ttatgaatat ctctcttttc aactatggga ataaccatt caaggatgtg aatatttttt 360
 caggcgtcct tgata 375

<210> 8935
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8935

tgctaaccce tggaagctcc taatatctcc cacacttttt gtgggtgggcc attcttggat 60
 ggccttgatt ntctcagggt ccacttggac cccatttcta ccaactacaa aacctaaagaa 120
 aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgtttttcct 180
 aaggactgaa agaacttgct tgagatgtcc taagtgatca tctagcctcc tactatacac 240
 taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg 300
 cataagcctc ataaagggtgc ttggtgcatt agtgagccca aaaggcatca ctagccattc 360
 atacaaacca aacttgggtct tgagaagcag tttccactca tcaccctttt tcatcctgat 420
 ttggtgataa ccactttta 439

<210> 8936
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 8936

agcttgcaca gtttttatta ggtattaatt gttctgcata tctaacaatc gtggttttaa 60
 attgctgttg tcgttgcgat ccttgacatt gcgtgaaaat gtgtttgtca tgatttggtt 120
 gcagagaatc gtaaaatctt tatgttgcgg tcgcaattgt gggtatatat ggatcatgat 180
 ttaaaaccat actaacaatt ttgcgctttg tgtttatcaa tcgattaatt gatgattgaa 240
 tgtgaaaatt aatagaagtt tttggcaatg tagggcaatg agaggctcca acaactcaag 300
 aaggggctta tcaaaccaat acgatgggcc atgcaaggcg acaaacccca ttgacaaatg 360
 ttggagatgt gaccccaatt ggga 384

<210> 8937
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 8937
 agcttggttac tactattaga tagctactaa tactattgca aactgtaatt gtttttttaa 60
 cttaattata ttacacttgt ttatgtatgt gtttttctct tgacttaaata ataattttgg 120
 tcattttatt ttactcaata cgtaattttg gtctctctat tttaaaatta aaatatttga 180
 tactcctatt tttaaaaatc tacaattttg gtctctctat tttaaaatac aaacattttg 240
 tccctatatt ttaaaaaatt cataatcttg attctcatat tatagaaaat tcacaatttt 300
 gggttaatat ataatttttc ctatgtatta tttcttttat tttttacttt gcagttaatt 360
 aaatcatttc ttgatgatat cttaaatgaa tatgtagatc tacgatttaa tta 413

<210> 8938
 <211> 292
 <212> DNA
 <213> Glycine max

<400> 8938
 ttactctgat gtctgattgt gtgccgcaat atatccagac gctctagagt ggaataccaa 60
 agctctgagc aaattcaaac gacaatatac ttttactcgg atgtcagatt gagtcccgtc 120
 atatatctag acgctcgaaa tggaatactg aagctctgag caaattcaaa cgacaatgac 180
 tatttactct gatgtccgaa tgagtcgccg aatatatcgg aacgcttgaa atggtatgtg 240
 gaagctctga gcaaaatcaa acgacaataa atttttactc ggatgtctga tt 292

<210> 8939
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 8939

atattacggt actcaatcag acatccgagt tataagttat tgttggtcga atttgctcag 60
 ggcttcggta tgctatttcg aacatcgctc aatactaccg gactcaatcg gacatccgag 120
 taaaaagata ttgttgctcg aatttgctca gagcttctgc attccatttc tagcgtttcg 180
 atcatttacg ggactcaatc ttacatccga ataaaaagat attgtagttt gaatatgctc 240
 aaagcttcgg tattccattt cgagctcctc taagtattac gggactcaat catacatccg 300
 agtaaaaagt tattgtcggt tgaatatgct cagagccttt acattcacat tcgagcgtgt 360
 cgatatatta ccggactcaa tcagaca 387

<210> 8940
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 8940

ccaccacaca gacctttgcc cttctgtgca acaatctaaa gcaattgaac agcctgaagc 60
 ttatgctgca aacatctaca atagacctcc tcaacctcaa cagcaaaatc agccacaaca 120
 gaataattat gacctctctc cagcaacagg tacaatcccg gatggaggaa tcatcccaat 180
 cttagatggt cgaatccttc acaacagcaa caacaacaac aacatactta ttttcaaatt 240
 gttgttgccc caagtagatc atacattcct ccaccaatct agtagcaaca acagcaacag 300
 cccc 304

<210> 8941
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8941

tgagaagcta gagcttagct acacacaccc atcttataac taagctcacc tccgtgagaa 60
 gctntcttga gaagctagag cttagctaca caccctata atagctaagc tcacccccat 120

gataaaaaa catgaaaata caaaacaaat cctactacaa agactactca aaatgccctg 180
 aaatacaagg ctaaaaccct atactactag aatggccaaa atacaaggcc caaaataaga 240
 aaacaaccta ttctactatt tacaaagaag agtggaccca accttggccc atgggctcaa 300
 aaatctaccc taaggttcat gagaatccta aggccttctt tatcaactct agcccaatcc 360
 tcttggagcc tcttgctcat ggctctg 387

<210> 8942
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8942

ctaganattc gaatggtcat aagtnttcac acggatgtcc gattctggaa aataatat 60
 cgagaccctc gatattgaac aacggaagcc ttcgagaaat tcgaatgggtt ataagtttgc 120
 acacggatgt tcgattcggg gacataatat atcgagacgc tcaaaattga acaacggaag 180
 ctcttttagaa attcgaatgg tcattacatt tcaactcggat gttcgattcg gggacataac 240
 tcaactagac gctcgaaatt gaacaacgga agctttcgac a 281

<210> 8943
 <211> 352
 <212> DNA
 <213> Glycine max
 <400> 8943

agcttgaat agtggtgatg ttggatctct tcgcatccc cagccggatg cagatagagt 60
 caatgacca gaatggctca ttgttattgg gggtttgtaca catttgggtt gcattccatt 120
 gccaaatgct ggtgactctg ggggatgggtt ttgtccatgc catggatcac attatgatat 180
 ttctggctga attaggaagg gaccagcacc atacaatctg gagggtccta cgtacactct 240
 cttggaagaa acaagttgat gaatggttga aaataaaagt gggttctgcat tcaagtggga 300
 tgagttaaca attattattt aaaaatttat ttgacaattg ttcaatgctc tt 352

<210> 8944
 <211> 236
 <212> DNA

<213> Glycine max

<400> 8944

aaacgataat atcttattac tcgtatgtcc gattgagtc cgtagtatat cgagacgctc 60
gaaattcaaa acagaagctc ttagaaaaat caatcgacaa taacttttta ctcggttgtc 120
cgattgagtc ccgtagtata tcgagacgct tgaaattcat aatagatgct ctgagcaaaa 180
tctaaccata ataacttttt acacggatgt ccgaatgtga cccgagatat atcgag 236

<210> 8945

<211> 373

<212> DNA

<213> Glycine max

<400> 8945

taacaactag ttttactttt catttggttg tatatactat ttttagtact gtgtactttt 60
cattgtcaca taggtaaatt tattgacttg tatttcattt tgtacagtta aacatggaaa 120
gagacgcagg aagggttttt aacggtttca aagaggggag ggttggtttt gctcccactt 180
acaagtattc acataattca gactcttatg ctggtgagac tgtcaagtca aagaaaaaac 240
gccgaacgcc agcatggtat gcaagtcact tgactcttat tatataagtc actcaattaa 300
atgactagtg ctagctagat ggcttttcag tttttaataa agataggtaa ataaaaaatt 360
gttgacaaca ctt 373

<210> 8946

<211> 439

<212> DNA

<213> Glycine max

<400> 8946

tcgcttcttc acatagtccg cctatgctag accttcttta tgtttaaaaa cagaaacatt 60
aggcataggc aaaagatcaa gaggagttag tgggttaaaa ccataaaciaa cttcaaaaagg 120
agaacaatta gtggtgctat gaacagctct attgtaagca aattcaacat ggggtaaaca 180
agcttcccaa gtttttaaga tcttcctcaa aactgtccta agcaaagttc ccaaagtcct 240
attaacaact tccgtttgcc catcggtttg tgggtgacaa gtggttgaaa ataacaatat 300
agtgcccaac ttgctccaca aagtcctcca aaaatggctt atgaacttat agtccttatc 360

actaacaatg ctctttgtgc aaccatggag tcttacaatc ttcttgaata acaaatcaac 420
cacattggga gcatcatca 439

<210> 8947
<211> 343
<212> DNA
<213> Glycine max

<400> 8947

agcttggatg caacatcttg gtcaaagata ttgcatgtta agaccttctt aagttttcga 60
caggatcatgt aagggaagcg aattaaacgg gcaagtcgtg taccgaagac ttctcttctc 120
tcttctagat tcgggtactg tgttcgaacc cacttcaaca caaagtcata taccgcatcc 180
tctgatgcaa cctgaagttc gtcactagac aatattgctt ctattccagc tagaggcaag 240
cccataacct cttcctggaa cctggatcatg gtcataatgt aaacttatta gcgttcaaaa 300
ggaagaaaac ttgttttgag attactaaaa tatagaacct aga 343

<210> 8948
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8948

aatgagaagc aaatgtttca agattttctca naagtagttc aagaaattct aaaagttgta 60
agaattatat taaaaagata ttgaaatgca agtcaaggtc ttgcttttat agacccttca 120
tgtctgggtca agaaaacct tagaagagtt ataactttga gaaaaacttg aaaaccattg 180
gaagagttac atctcttgac tttntcttca aaacttgta ctggtaattg attaccaaaa 240
ccatgtaatc gattacacaa agcattttat gaaaagatgt gactcttcac aatngaattt 300
gaatttcaac attcagatac actggtaatt tgataccaat atagtgtaat cgattacacc 360
a 361

<210> 8949
<211> 214
<212> DNA
<213> Glycine max

<400> 8949

agctttgtga agctcctggt ttagctttac ccgattttac tcaaccattt gaagttgaat 60
 gtgatgctag tggagttggc attggggctg ttttgatata aaacaaaagg cctatagctt 120
 atttctcgga gaaattggga ggagccagat tgaactattg cacctatgac aaagagttct 180
 atgccattgt gagagctctt gatcattgga atca 214

<210> 8950
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 8950

ctaagcttct caggaagttt ctcaacgaag atacctatgc tattattaca agcatgtgta 60
 aactagttg tagctttact gaatgagagt cttatgaaac acacttcaaa gttcaacttc 120
 tctccctctt acctccttca atctcttgct cccccctga tgcaagctcc attggagctt 180
 gtaggcctag gatcttcttc atcaatggat acctttgctt cttggaagat gaatggcagc 240
 ggaatggaga atgaagagag agacgagacg cctcttcaag gagaatatga gtctagaaca 300
 agctcaccac cataggaggc catggataac agcttggagg aagaatgaga tgaatgactg 360
 gagagggaga gaagagcacg aaattatgtg ctccagatga gctttgaaat ctgaattcta 420
 atattcgaat gat 433

<210> 8951
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 8951

agcttttgac ggactatacc aagctctagg aaccagggac ggagaaagat ctatatatag 60
 gcttgctaag ggtagagaga ggaagactag agatttggat cacgtaaagt gtgttaagga 120
 tgaagaaggc aaagtcttag tgcatgaaaa agatatcaag gaaaggtgga aggtgtatct 180
 ccacaactta tttaatgatg gatatggata tgactctagc agtctagaca caagagaaga 240
 ggaccggaac tataagtatt atcgctcgat tcagaaacag gaagtaaagg aagcgttgaa 300
 aagaatgagt aacggtaagg cgggtggggc agacaacata cctattgaag tgtggaaaac 360
 tcttgagat agaggtcttg agtggctcac caaactcttt aatgaaatta t 411

<210> 8952
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 8952

atgcaagctt ctccacttgt aacttggggc taaattcaaa tagcatggat aacacttgtt 60
 gaagaacttc cttggccttc tttgatctag cccttgccat aggtcctcca agtccttcta 120
 aaggttcctt gtccttattc cttgccttat cctcatcact ctctccctct tcaaaaggat 180
 atgtcctcaa atcggcttct tcatctacat caaaaagatt tacgtcagac acattaaatg 240
 tagcactcac attatactca ctgggcaatt caatcttgta cgcattgtca tttatccttt 300
 cgagtaçttg aaatggacca tccactcttg gttgaagctt ggattttctt tgctccgaac 360
 acctctcctt tctcatgtga acccaaacc aatctct 397

<210> 8953
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8953

agctnttggtt aatatgggtg ttgtacttaa taaagccatg actggtttgg aaacagagaa 60
 gggttcctttt gggtttctttg ctcggaatgg caagtatgtg gaatgcctgc tttctgtgag 120
 taagaaattg gacgtagagg gcctagttaç tgggggtcttc tgcttcttac agctagctag 180
 cccagagctc caacaagcat tacatattca gcgcctatcc gagcaaactg ccttgaagag 240
 attaaatgca ttaagttaca tgaaaaggca aatcatgaat cctttgtgtg gaattatatt 300
 ttcccggaaa atgttggagg gtactgcctt gggaacagag caganacaac ttctacgcac 360
 tagtgctcag tgccagcagc agcttagtaa aattcttgat gactcagatc ttgatagtat 420
 cata 424

<210> 8954
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 8954

agcttggttaa tccatggaag ctccctaata ctccacact atttggggtg ggtcattctt 60
ggatggcctc gattttctca agttccactt ggaacccatt tctaccaact acaaaaccta 120
ataaaactat attatctaca caaaaggtag acttctctat atttgcatag aggggtgtttt 180
tcctaaggat tgaaagaact tgcctgagat gtcctaagt atcatctacg ctctactgt 240
acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttagacat 300
aatgcataag cctcataaag gtgcttggtg cattagttag ctcaaaaggc atcactagcc 360
attcatacac aacaaac 377

<210> 8955

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8955

actcagctat gctganatat ttacatagac ctctcaacc tcagcagcaa aatcaaccac 60
agcagagaaa ttatgacctt tccagcaaca gatacaacc tggatggagg aatcaccta 120
acctctgatg gtccagccct cagcaacaac aacagtagcc tgctccttcc ttccaaaatg 180
ctgctggccc aagcagacca tacattctc caccaatcca acaacagcaa caacccaga 240
aacagccaac agttgaggcc cctccacaac cttccctcga agaacttggtg aggcaaatga 300
ctttgcagaa catgcagttt cagcaagaga ccagagcctc cattcagagc ttaaccaatc 360
agatgggaca attagctacc caattgaatc aacaacagtc ccagaattct gacaagctgc 420
cttctcaagc tgtccaaaat cccaaaaatg tcag 454

<210> 8956

<211> 380

<212> DNA

<213> Glycine max

<400> 8956

agcttctata gaagggtcgt tcctaatttc tctacaatcg catcacctct caatgagctg 60
gtgaagaaga atgtggcatt tacctgaggt gaaaaacaag agaaagctct tgctttgctc 120
aaagaaaagc ttactaaggc acctgttcta gctcttctg acttttctaa aacttttgag 180

ctaaaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcaccct 240
attgcttatt ttagtgaaaa aattcatagt gccaccctta actaccccac ctatgataaa 300
gagatttatg ccttaataag agccctccaa acttggggaac attaccttgt acccaatgaa 360
tttgtcattc ctagtgatca 380

<210> 8957
<211> 458
<212> DNA
<213> Glycine max

<400> 8957

tctttgagaa aacttccttg agaagctaga gattatctac acacaccct ctcataacta 60
agctcacctc tttgagaagc ttccttaaga gattcctaaa gaagctagag cttagctaca 120
catacctctc taataggtaa gctcacctcc ttgagatgag aagctagaac ttagctacac 180
acccctata ataactaagc tcacccccat gacaaaaaac atgaaaatac aaaaaaaagt 240
ccttactaca aagactactc aaaatgcccc gaaatacaag actaaaacc tatactacta 300
gaatggccaa aatacaagcc caaacgaagg aaaaacctat tctaataatt acaaagacaa 360
gcgggctcat acttagccca tgggctcgaa atctacccta aggctcatga gaacccttgg 420
gccttcctc ggatctctag cccaatctac ttggagtc 458

<210> 8958
<211> 350
<212> DNA
<213> Glycine max

<400> 8958

agctttgaaa gattggctaa gactttgtta taacattttc acttaaacia tgaaggaaag 60
ctggagttgc tgcacatgat gtccaacggt atgtcaaata ataagatcgg gctgcacact 120
gcacaaggca agataaagtg tctaatagaag aatagaagct gcacgattca cgatgtcaga 180
tataatgtcc atgacatcct gcctgataat actggaattg ctaaaagcat tgaatcagca 240
ggatccacga tggcggatac aatgtccatg acatcctgcc cgaaaatact ggagttgcta 300
aaagcattga cgttgcaaga tgtccgatga ccgatactat gtccaggaca 350

<210> 8959
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8959

tcacctagnt tcattcttccg tacgttgaac agtgateaat ataatacacg tcatcacgta 60
 attacacaac tggctcttcag aactgggaat taagttgcta gcttttatat gtaggggtgc 120
 ttataagtgg tttttgtagg tggaaatgta ccatcatcac caacaccaag gaaaaaacat 180
 tcattcttct ttcagaatgc caatcccttc tgagaggcac atgttccttc aagcaggaaa 240
 tggttctggt gattctggac tagtgctctc aactgatgct aagcctatat tgaaatggac 300
 accagatctt catgcaaggg ttatagaagc agtcaaccag ttagggggag ctgacagtga 360
 gtactcacat tagcttttgg atcatcagat gtggaagaac atagaaattg agttcactaa 420
 tgc 423

<210> 8960
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 8960

agcttgagac attctcgcaa aggtttatgc tgggtcagaa aggttgaaga gagtcaacat 60
 gcaaaccttg aagcaacaat tcgagctact acagatgaat gagaaagaat gtataacaaa 120
 atacctaaat cgtgtgctgg gcctgtcaaa tcatatgatg gcttgtggtg aaaacatgaa 180
 ggattaagat cttgtagaaa aggttttaag aaccttgagc tcaagatctg attatgtggt 240
 tgctgcaata gaagaatcta aggatttcat agaaatgaaa ttgaatgagc ttcaatgctc 300
 tcttgaagca catgagcaaa gaatcaaaga aaaggaaaca gataggatcat ctgaacatgc 360
 cttactcact cagagtggta gaagatacaa attg 394

<210> 8961
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8961

tgagacacct anaaagaaat tgacaaaaac taatatagca tactgaaagc taaaatgaag 60
 ttaatcattt agtatcaacc ttataatggt aaacaagaat aaactttgat acccatcaaa 120
 atgctcaacc aagtacatac ttcttatact cattgttaga agcaagtatt atgtcaaggt 180
 gcattgtaaa ttcttaggtt caaatagtta ctacttgtga tgtacatgac atattgagtt 240
 agaaacatca ttttaaagaa aatcttatat attcatactg attatagtta tgatttataa 300
 gtttgcatat tcaaatacaa ttttttatta ataaaatata ttntttatat taagtatttt 360
 agaataatta taatttctct aaaatattta tcgatgataa tttagatatt aatggtatat 420
 catgtaagat atntaatctc tgtaatatac 450

<210> 8962
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 8962
 gtaacagcaa ttaccttctt ttatcttate attctcttcg tgtggattca atctcaacag 60
 ttgcatttcg tgttcctgtg accttatggt tccattctct gcttaaacad ctcaatgctg 120
 tatttaccag atcttcattt ggaaaaattt tccctaaaga tgcattgatga tttactatgt 180
 gtgtgaacct cttttgcatg tcttatatac tttcatttgc attcatccta gatagggtcat 240
 attcatgagt taatgtgtat attctagatc ttttaacatc tgggtgtgcct tcatgtgtta 300
 cttgtagggg atccacata tcttttgcac tatgacaatt cgatagccta aagtactcat 360
 aca 363

<210> 8963
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 8963
 ggcattggat agaagactcc acgacgattg agtcagagat gcaagagaag gacctatggt 60
 tctcatgagc cttagggttag atttcaggac catgggctaa gtatgagccc acttatcttt 120
 gtacatatta gattaagggtt tcattatttt tgggccttgt atttagggct ctagaatgta 180
 ggtagggtag cctagaaatg taaaattttt cagcccttgt atttaggga acctagacta 240

gtttttgtat taggggtagt tatataattt cacatgcatt aagtgaatat ttgatgtgtg 300
tgttgggaaa taaatt 316

<210> 8964
<211> 455
<212> DNA
<213> Glycine max

<400> 8964

tcttgatcat gagggagcta acaaaaattt tcatgcaggt ggaccttctt ctagtagttc 60
tgacttgag cagcctccta tccatcttcc attttcacct agagcaattc caaacaacaaa 120
aatggaagaa gtggaaaagg agatcctgga gactttcagg aaagtagaga tgaacatacc 180
tctgcttgat gccatcaagc agattccaag atatgccaag tttctaaagg agttgtgcac 240
ccacaaaagg aagctcaaag gcaatgaaag gattagcatg ggcagaaatg tgtcagcatt 300
gataggtaaa tctgttcctc acattcctga gaaatgtaag gacctatgta ctttctgtat 360
accttgcat attggaaca acaaatttga gaatgccata ctagatctag gagcatcagt 420
taatgtcatg cctctgtcca tgtttaattc tttat 455

<210> 8965
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8965

tctntanaag gatatagact tgtgcttaac cagccttggt tagaggcatt tgaggagttg 60
aggaggaggc ttaccacttc tctcatcatg caaccactag attgngagct ttcctttgag 120
ttcatgtgtg atgcctcaaa ctatgcactt ggggttatgt tgataaatta tcacatgtca 180
ttgcttatgc cttacgcgct ntagatgcaa cccaagttaa ctacaccact atctagaagg 240
agctttcaac cattgttttt gctttagata aattcatatc ttatttgctt tgctcccata 300
ttactgtctt tactgaccat atagctttga ggtacatggt gaagaagcct gatgctaaac 360
ctagattgat caggtggatg cttcttcttt aggagtttca tattgagatt aaagacatga 420
gcggtgtaga aaacttgngt tgtgatca 448

<210> 8966
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8966

tgtcgagatg gaaggctccc acgtgggtgca naacatgtac gactctcttg atgtgcatgt 60
 angggaatgt ttttctgtgc ttgttacagc ggacaaggaa ccaaaggatt actacatggg 120
 ggcttccaca cgtttcacca agactgttct aatangtaaa ggtatcattc gttacacaaa 180
 tggttaagggt ccttgctcac cgcacatncc cccggctcca gtggggttgg gcttggtctc 240
 ttaaccaatt ccataccttc cgttggaaac tcaccgctag tgcccgcagg cccaaccctc 300
 aggggttccta caaatatggg caaatcaaca ttactcgtac tatcaagctc gtttaactcaa 360
 ttagtaagtc taacggaagc ttcgttatgc ccttaatggg gtctcacatg t 411

<210> 8967
 <211> 446
 <212> DNA
 <213> Glycine max

<400> 8967

tgtaaggctt tgggtgggaa atgatagtga gacttaactt atataccaac cttatgctac 60
 aacaattgca gcatgacca ctatctacaa tgagataaca atttttgttt aaaaccttgc 120
 atcttgatg aaagatgttc tctctttggg tttgggttac gtcacaagat tgaatcccat 180
 ggaaccttct caccattaga agatcacctt cttcataagg gtaaacctct tcaatatgct 240
 catcaccctt ggcttcaccc tcaattccac ttgaggaagg agaagaggta gcctcctctt 300
 ggctactata gatgccttga cccctcatca tcatggtttt ctatgtgggg cattaagaag 360
 caatgtggcc tttcctaata catttgaagc acttactgct actagttcta tcttgtgaac 420
 tagcctttgg agtgatttcc tctata 446

<210> 8968
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 8968

agcttgcttc tacattaaat ggacctagta tgacacaact caaaaacata taagggttag 60
tcaaacacat ttctggagga agattgtacg ggataacaat gattgaccaa taagaataag 120
gtaaagatga tgcttgaata tacagattaa atccatctgt gcataaacg agtcacacat 180
ttcatggatc atcaacaaaa tctgcatgta cccgatcaaa gtgcttccat gcttcacat 240
caaatggatg gcgtaacatg caagaagatc ttctattctc ataacacat gacatttggc 300
ttgcagtttg tattcatgta aatagtctct gcaaccttgg tattatagga aaataaaaca 360
tcgcctttac tagaaattga tttttgttgc ttgt 394

<210> 8969
<211> 401
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8969

acacggatat ctgattgagt catgtaatat ttcgagacgc tcgaaattga attcggaagc 60
tctgagcaaa ttcaaacgac aataacttnt tactcggatg tcttattgaa tcccataata 120
tatcgacaag ctgcaataga atcttgatgc tctgagcaaa ttcaaacgac aataactttt 180
tactcggatg tctgattgag tcttgaata tatccacacg cttcaaattg aataccggag 240
ctctgagcaa aatccaaaga gacaaacact ttaactcgga tgcggatgg agtccgtgaa 300
tatatggaca cgctcaaaat tgaatcccga agctctgagc aaattcaaac gacaataact 360
ttntactcgg atgtctgatg gaatctccga atatatccac a 401

<210> 8970
<211> 414
<212> DNA
<213> Glycine max
<400> 8970

agcttaacaa aaggcatgcg aagtgggtgg aattcctaga gcaattccct tatgttatca 60
aacataaaaa gggaaaagggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120
tttctatgct tgaacaaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180
atgaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggtttcttta 240

gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300
 attttcttgt ttgtgaagca catgaaggag gtttaatggg gcattttggg gtccaaaaga 360
 ctctagaaac attacaagaa cattttttatt ggctcatat gaaaaaggat gtgc 414

<210> 8971
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 8971

agcttccatc aagaacccta gggccttata ttgcatctct ggcccaatct tcttggagtc 60
 ttctatctaa tgaccttggg gggtaggatt gcacacat atgcccacct acaagaatgt 120
 ggggtcaaat tcttcgcat aagaggattt gagaagtga gatagcgatc aaatcgggtga 180
 taactttctc cacaagtttc tatagcacta tttacgttgc ctttcaaadc aattgaccat 240
 agatgagtca gaccttctg cgcaacaata tcatcatcca aaacagcac tttgttgagc 300
 tttggaaaga tctatggcaa atagaactgg aggtggttca agatagacaa atactttgga 360
 tacatattat gatactcagt atacatgaga 390

<210> 8972
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 8972

agcttgaaga tgtgtagccc accatctttt ttaggaaaat actggtaatg tgtctactat 60
 cattgtcatc atttctttct ccgtcattga ggagccactt aagctgccag gtctctccac 120
 ctttgggcat attctttaga aagattcgtg cccccctttt gcacatgttc tgtacttgca 180
 tcctatccga agacattata ctgacactgc ctaacgaagg caaccactat gtccttccaa 240
 gaatggactc gggaagggtc caagttagt taccatgtaa cagctacccc agtaagactt 300
 tcttggaaag aatgtatcag caattcctca tcttttgcgt atgccacat cttccgataa 360
 tacatcatta gatggctcct ggggcaggta gtcccc 397

<210> 8973
 <211> 287
 <212> DNA

<213> Glycine max

<400> 8973

caatgatatt cttcatgcct ctttaagtgc gatgtccaaa tctttgatgc catattttga 60
ctatatcttc tatggagaat atacactgtg tgaggagtaa ctggctttct tgagcgtgtc 120
cataagtaac agttgtcctt tgatctgctg cccttcatta cgacttcact cttctcattt 180
gtcaccaagc attctgactt tgtgaagttt acattgaata cttcatcaca caactgactg 240
atgctgatca agttcgcagt cagtcctctc accagcagta ctttggtt 287

<210> 8974

<211> 453

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8974

tcccgccaat ggtatntgag gtttaatgat actattgttt ccttcggatt taaggaaaat 60
actgttgatc aatgtatata tctgaaggtc aatgggagta agattatttt tccaattatg 120
tgtattgatg atatcttgct tgcaactaac gatcttggtc ttcttcatga gactaagaaa 180
tttctctcta gaaactctga agtgaaagat atgggtgagg taagctatgt gatagggata 240
gaaatattct gtaatagatc acaaggattg ttaggcttac ctcagaaagc atatatcaat 300
aaaatactag tgaaattcaa gatggaaagg tgtttaacat cacctgttct aatttagaag 360
ggagacaaat ttagtctcac acaatgtcat agaaatgata tggaacgaaa acaaatggaa 420
gctattttgt atgcatcagt tgttggtgca tct 453

<210> 8975

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8975

ggctaacca tggaagctcc taatatctcc cacactntnt ggggtgggcc attcttggat 60
ggccttgatt ttctcaggtt ccacttggtc cccatttcta ccaactacaa aacctaagaa 120
aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgtttttctt 180

aaggactgaa agaacttgtc tgagatgtcc taagtgatca tctaggctcc tactatacac 240
 taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg 300
 cataagcctc ataaagggtgc ttggtgcatt agtgagccca aaaggcatca ctagctattc 360
 atacaaacca aacttgggtct tgaaagcagt tntccactca tcaccctttt tcatectgat 420
 ttggtgataa ccac 434

<210> 8976
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8976

agcttcaaga aaaagatggc ctcagcaaatt tccttatttc cagaaggga ttctatcaat 60
 agacctcaa tctttaatgg agagggttac cactactgga aaaccgaat gcaaattttt 120
 attgaggcaa tagatctaaa tatttggga gccatagaaa tagggcctta tatacccacc 180
 acagtagaaa gagttacaat agatggtagt tcatcaagt aaagcataac tatagaaaaa 240
 cctatagata gatggtctga agaggataga aaacgagtag aatacaactt aaaagccaaa 300
 aacataataa catctgccct gngaattgat gaatatttca gggtttcaaa ttgtaagagt 360
 gctaaggaaa tgtgggacac tcttcgataa cacatgaagg aactacaaat 410

<210> 8977
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8977

tgtgtntaa agtttacaac ttacaagcgc gactatatta atctcttaaa aaatttagtt 60
 gctaaataaa tttcccaaaa acttaaaagg gcatcacaat aattttacaa acaatttctt 120
 aataattaaa ataccatcaa attcatcctt gatgcaagct ccattggagc ttgtaggcct 180
 aggatcttct tcatcaatgg attcctttgc ttcttggaag ataaatggca gtggaatgga 240
 gaaggaagag agagaggaga cgccacttca aggagaagat gagtctagaa gaagctcacc 300
 accatangag gccatggata agagcttgga ggaagaagga gatgaatgaa tggagaggga 360

gagaagagca cgatattttg tgctcaaaaa gagctctgaa atctgaagtt aatattcaaa 420

tgaatcaaag tgaaaaaaa 439

<210> 8978
<211> 417
<212> DNA
<213> Glycine max

<400> 8978

agcttgaact aaagattata agatgggtact gaaacctatc ttagcgattg ttgttgggct 60

tattgagtca atcgccatcg ggttgttatt gaaccactag tagatgtcaa gtcattgcaa 120

cttcatactt gaaatgccca atcctcaatg ttaggggtg tattgaagat cccacattga 180

ttaggaatat ggccaaatta aagtatatat gtcagggaac cttcacctt acatgctagt 240

tttgtgggat ttgttaggc ttgaatctaa aatctaagat gttattagaa cttatcatat 300

caatgttaag cctattaggc catctaatat cgggttgta tcaaaccact tgtagatgtc 360

caatcccata aacttgggct caagatatcc aatcctacgt ccgtgggggt atgttgg 417

<210> 8979
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 8979

tcttacatag tccgcctntg cttgaccttc tttatgctta ataacagaaa cattagggcat 60

aggcaaaaga tcaagaggag ttagtggggt aaaaccataa acaacttcaa aaggagaaca 120

attagtgggt ctatgaacag ctctattgta agcaaattca acatggggta aacaagcttc 180

ccaagtgttt aagttcttcc tcaaaaactgt cctaagcaaa gttcccaaag tcctattaac 240

aacttccgtt tgcccatcg tttgtgggtg acaagtgggt gaaaataaca atttagtgcc 300

caacttgctc cacaaagtcc tccaaaaatg gcttangaac ttagagtccc tatcactaac 360

aatgtcctt ggcaaaccat ggagtctcac aatctccttg aaaaacaaat cagccacatg 420

ggaagcatca tcaactntct tacatggaat aaaa 454

<210> 8980
<211> 451

<212> DNA
<213> Glycine max

<400> 8980

ctgggtgtggc tggcacagcc tcacctagac tcaatattga ccagctctag gggtgggaaa 60
gacaggtggg ttgaagggtg gtagtgaaaa acaggtgagc atcttttaac atagaataat 120
ttgctttcta tttttttgcc tgctcagttc cattttaaaa ttattggttg agccttgacc 180
ctagatatta ttattgcaga gggtataaca ttaacagaat ttcaccctac acattgtaat 240
acgttggcat atagcagttc aaaggggtca attcatctag ttgacttga acaatcagca 300
ttatgtgatt ctcatgctaa actgtaagta cattcttttg ttgtaatctt gttgggttcct 360
gacaaataag tatccattc ctcccataag gctttcagaa tttaacaaat gtttaaacag 420
ttgacagaat ttctggatag gtcactgtt t 451

<210> 8981
<211> 407
<212> DNA
<213> Glycine max

<400> 8981

agcttctgtt cctgagaaac tggttcccat aagacaacag ggagtgaaga ttgctgaaaa 60
ccctagcctt gcaacaagtc ctagggaagt agacacggag atggacaaga aaatccgcag 120
tattgtgagt agcattctga aagatgcttc tgtgcctgat gctgagaaag atgttccaac 180
atcgtccacc ccgaatgttt ctgtgcctga tgttgagaaa gatgttccaa catcttccgg 240
tccaaatgct gaagtactct cttccccag caaagagaga tcaacagagg aagatgatca 300
• agcgacaaag gagaccctg caccaagggc accagaaact gttccaggtg acctcattga 360
cctggaagta gtagaaattg atgaagaacc cattgccaca gttggca 407

<210> 8982
<211> 415
<212> DNA
<213> Glycine max

<400> 8982

agcttcaacc ctttcccaaa actcggcaag ggacgcgaaa tgttattccc actcagatcc 60
aacaatgtca aagatttcaa actagtccaa ttactcggtg tcgtaccact aatatcatta 120

cctcccaacc ttatctcaac aagagaatct aacttggcaa cagaaggact caaagtccca 180
ctaagattaa actttttccaa aataatcatg tccacctttc cgtccccatt gcaccttatt 240
cccaaccatg gcccgtagaca aggggtcattt ccaactccaag aatcaaccaa aatccaagga 300
taccccaacc ctccaagaaa ctccaacaac accatcactt caaaagcaca cataaccccg 360
gcctttgcct cacaaaattc attgtttctca taactcactt tactcgctgc aaatt 415

<210> 8983
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8983

agcttatcaa taattaaata atcttatcac atgagtaata aatatacatg tgtagtcaa 60
cattaatgaa atacatacac aatcaaagtt tgaaattggt catagattaa aatcactgga 120
tttttaaata tgagagataa aatattttcaa ttaaaaaata agagactaaa attacatatt 180
ntagaaaata gagaaacaaa aattacattt taacctttta aaaatcacia tctactaaat 240
atctaataca ctatctgtaa tggataataa taattaatag ctaaaaatgt aaactttaca 300
ttatttggtt aaaataaatc aattttttta cagtaaataa tctctaacgc aaatgttaag 360
aaaaaattac atatataaga tattttatgan aattcacaaa taatgttcac atgtgcatga 420

<210> 8984
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8984

ataccacctg tcatttgcac ctgcatctct gtggatcaga taatggaact tcatcttcag 60
tcagctaaac ccctgagtc atagggatcc ccttcttcga gtacataacc tcaatcccta 120
aaaagtactt caaggccccc aagtctctac tctgaaactg agtttgaaga atactcttca 180
agttgtcagt acctttatta tcaactcttg taatcacaat atcatcaaca tacaccacaa 240
gtaagatgct gccaaaggta gtatttctat aaaatacagt atgatcactt tgactcagct 300
tcaatccata tgcaatgacc acaccactaa atctcccaga ccaagatcta ngtgattgca 360

tcaagccata taacaacttc ctttaagcggc ataccatgcc aaactgccnc atagcaacaa 420
acacaggtga ttggtatata tacacctct 449

<210> 8985
<211> 364
<212> DNA
<213> Glycine max

<400> 8985

taaaccatat atattggaga cagcctata cgggttttga aagcagtact gtcagcccat 60
attgcatcat ccatcttgct tgacacaatc cttccgagtg gaggccataa ttatctccac 120
gaacttcttt agttccctgt tggagacaat cagcattgac cgattagctt gggggtgata 180
ttttgaggct actttgtgtg tgacatgaca atggcctaac accttttgca aataactgtt 240
gcaaaagtga gagcctcatc actgattacg ctactttgtg tgtgacatga taatggccta 300
ccaccttcta catatgacta ttgacaaagt gagagcccta tcattgaata tgacccttgg 360
cacc 364

<210> 8986
<211> 374
<212> DNA
<213> Glycine max

<400> 8986

gagcccttac aactttattc ttaacatcta tggaaatctt cttattgctt atttgtcgtc 60
tataaaatta tggagactgc atctgctatt cctaatacgt gtgtgtattt gactagatga 120
aaccaaaagg aagttgctat attggcgaaa acgtttccac attatcagtg gcattacttg 180
aggacatctt tatcttcac aagactctat gttaaggatt attcacagag atctaaaaac 240
tagcaatatt ttactagatg ccaatttgga tcccaatata tcaaactttg gcctggctcg 300
atcattcttc cgagatcatg tggctggaac atagttagct tctatctaata tatgactctt 360
tgatattgct gtat 374

<210> 8987
<211> 432
<212> DNA
<213> Glycine max

1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358</
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<210>	8988
<211>	419
<212>	DNA
<213>	Glycine max

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taaaaagtta	ttgtcgtttg	aattccctac	gagcttccct	tttcaatttg	gagcgtcttg	120
atctattaca	ggactcaacc	ggacatccgt	gtaaaaagtt	attgtcaatt	caattttctc	180
agagcttcgg	atctaaattt	tgagcgtctc	gatatattac	gggactctat	cagacatccg	240
ggtaaaaagt	taatgtcggt	tgaatttgat	acgagcttcc	gtattcaatt	tggagcatct	300
ctcgataaat	tacaacactc	tgtcgggcat	ccaagtaaaa	acttattgtc	gtgtgaattt	360
tctaagagtt	tccgttttca	atgtggagcg	tctcgatata	ttacgggact	caaccgaac	419

<400> 8989

3813

gatcatatga atctctcgag agtttccgat gttaaatttc gagcgtatcg atatatgata 180
accctgaatc ggacctcagt ctgaaaagtt atgaccattt gaatttgacg agagctttcg 240
ctgatcaact tcgagtgtca ctgtatgtga tgcgccaaaa ttggacatcc gagttaaatg 300
ttatgacat tagaatttct caagagctat cttgttgaa ttgtgagcgt ttctatatga 360
gatttgcctg aatcggacat ccgt 384

<210> 8990
<211> 420
<212> DNA
<213> Glycine max

<400> 8990

agcttcagta gtagcaccaa aaattatgtc atcaacataa atttacacaa gcaacaactt 60
attgtttgat atcttgataa acaatgtttt aacaacttga cctgttacaa aagattgtct 120
aattaggaaa ttgctcaatc tttcatacca agatcttggc acttgtttta aaccatacag 180
tgcctttttc aacttataaa catgattagg atgttcgaag tctaaagtcc ttttcaacta 240
gatgattaag attatgcatg tttacatgtg cagttgtatg atgcatagc caagaatcat 300
taatcttact taccaagtaa ggctaataa atgatgcatg ttcaatattc aacatataaa 360
tattacctat tcttttacct atgtgaacaa cctcactagt ttttgcttca taaatgaaac 420

<210> 8991
<211> 410
<212> DNA
<213> Glycine max

<400> 8991

agcttgagac attcattcat aggggactgt taagagatgg gatgttcaca ttcaagggtg 60
gatgatgaag aggcagttcg gctttgtaaa gacagaaaga agtttatcag acaagctgtt 120
gaacaaagaa ctcaatttgc cacgggacac atagcataca tagaatctct taaaagggtg 180
tcagctgcac ttcgcaatta cattgaaggc gatgagcctc gcgagttctc attagacaca 240
gtcatcacc' cacctttcac gcctgtgaag aggaaaactg gctcatgatt cattcccata 300
tcagcaaaac cctttgctac aacaggagca attgagtttg ggatcggacc aactctact 360
ttgaaagtga attaccttag gcctggtggt aaccaacaa tttcagttga 410

<210> 8992
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8992

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 ttcccattct tgtatacttt ctccaaccaa gtgggaacct attacttcca acgcccattg 120
 aagaccagaa gcataagtta ctacgcgatg caagacctcc acgtaagttg gatcagctnt 180
 ttctttttta aaagcttgcc atgtaagcaa ctgaagagca tggttctcat ccaattcctt 240
 catttcatat gttttattaa cttcatgaga tgctagcaat tgtttgtccc gagttgtgat 300
 gatgattttg ctgccgcgac caaaccaatc aggtcttcca gcaattgctt gcaattggtc 360
 gtgtgtgtca acatcatcta taatcaagag aaccttcttt cccttgagcc tacactgtat 420
 gaatgaaatt cctgttgctt actt 444

<210> 8993
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 8993

agcttgccca aaataaacag ttttgccact agagagcaag tataattggt caaatagctc 60
 aaacacttca ctgcttggct gatgaataga ggctatcacg gttcttccat cccttgccaa 120
 ggcacgtagt gtctgcgtca caaagaaagc tgaagcactg ccacaaaaga caaaaatcca 180
 aaaaaaatca agacatatgt tcagcaaaaa gagatgttcc tactttacaa atatgaacaa 240
 ctggggacat aacaaacatt ctccaacaaa aatactatta tttatagaat attgtaatct 300
 ccctttagaa ggtgcacaca aattgatgtt gtgactatgt agaacaacaa aaagacgaag 360
 acataacttc caaattcatt ttatgaaatc gtatttggtt gtacaatttt tttat 415

<210> 8994
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 8994

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agataagaat ccttcagggt gtttcatgta aacctcttct tctagatcac cattcaggaa 120
cgccattttc acatccattt gatgcaactc aagatcaaaa tgagctacta atgccaaaat 180
tactcgaaga gagtctttct tagatacagg ggaaaaggtc tctctgtaat cgattccttc 240
tctttgagt g aatccttttag caacaagtct tgccttatgt ctctcaatgt tgccttctaa 300
gtctttcttt gtttcgaaga cccatctgca tccgatggct ttacaccaa cagacaactc 360
aacgatgcc caaacttggg tagatgccat agaatccatc tcatccctca tagcattg 418

<210> 8995
<211> 449
<212> DNA
<213> Glycine max

<400> 8995
tatgagatat ccatgaagct tgcacaccat atcaatgaat aactgagcta ccttatgtgc 60
tctgaaatgg gtagaaagca tgccgaaatg ggactccctt gagaatcgat ccacaactaa 120
taaaaccaca gtagctcctt ggaagttagg caaccctgta atgaaatcca aggccacgtc 180
ctccacaga atagatagag ggggaattgg ttgaagaatc cttgaatgtt atttagggat 240
atactttgta agttgacaat cagaacacct tagtgatgta gcttctatgg agcttgtaag 300
ccttgatct tcttcatcaa tgaagtcatt tgcttcttga agtttgatgg tagcggaatg 360
gagaaggaga aatatgattg gagacgccac ttcaagaaga agatgagtct agaagaagct 420
caccaccata ggaagccatg gataagagc 449

<210> 8996
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8996

taacaagtgg aatcagagga aagtctctat ggcaggcaga attacttta ttaattctgt 60
tttgacagcc ttgcctttat tttatctgtc tttcttcaaa gctccttcag cagtgttagt 120
gaggctgact tcaatccaaa ggaatttttt gtggggagga ggtgctgaag ggaaaaagat 180

cgcttgatg gcttgggac atatatgtac tctagaaat caaggagggt tgggtatcaa 240
agctatcaag gatcttaata gagcccttct tattaaatgg aagtggctga tgttccacca 300
atcagaccaa ttgtggtgca gaatcctcat ctcanaatac aaaggatgga gagggttgga 360
agagaattcc cacaggcagt ctcatcctt ttggtggtcg gaattgaagg ctgttttact 420
ccatagcagc atgga 435

<210> 8997
<211> 341
<212> DNA
<213> Glycine max

<400> 8997

agcttgtaat cgattacaca gtaaggaatt tttcaaaata actccaaga gtcacaactg 60
ttcaggaagt ttttgaatgg ccatcaaagg cttttaaaga cttgggatac gaaattcctt 120
agaggttttc tgaataacat tttcttatcc tctcaaaacc aaattgtctt atcattctca 180
aaatattcct tggtcaaaac acttgcaa atcaataagga atcttgatcg atcttcaatt 240
gtaatatcct tctcttaaag agagaaaatt cttcttcttc ttattcaaac agatctgtat 300
aagagaccga aagtctcttc agttgtaaag gatatttaac a 341

<210> 8998
<211> 427
<212> DNA
<213> Glycine max

<400> 8998

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taaaaaggga aaaggtaata ttgtagccga tgctcttctt cggcgatcatg cattactttc 120
tatgcttgaa acaaaattga ttggtcttga atgtttgaaa agcatgtatg aaaatgatga 180
aacttttgga gaaattttta aaaattgtga aaaattttca gaagatgggt tcttttagaca 240
tgaaggcttt cttttcaaag aaaacaaatt gtgtgtgcct aaatgttcta ctagaaattt 300
gcttgtttgt gaagcacttg aaggaggttt aatggggcat tttgggggtcc aaaagactct 360
agaaacatta caagaacatt tttattggcc tcgtatgaaa aaggatgtgc agaaatcttg 420
taacatt 427

<210> 8999
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8999

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 atcgagacgc tcgacactga aaatccgaag ctattgagca attcaaatgg tcataactat 120
 taactctgag gtccgattga cgtgcataat atatcgatac gtcgaaatt gaataatgga 180
 agctctatga tcaattcaga tggtcataac tattcactcg gatgttcaa taccgtgcat 240
 aatatatcga gacgctcgaa attgaacaac ggaagctctt gatcaatata aatggtcata 300
 actttatact cggatgtcgg acttatgcgc ataatatatg cataactctt atatgtacaa 360
 cggaacctct tgatcaattc aaat 384

<210> 9000
 <211> 289
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9000

agctttgatg taacatttgg agaggttaat gtaacaacga gatgatgcgc tccatgagag 60
 gttggatcaa atggagaata tagaccatat gaattgctca agagcttcca ttgttcagtt 120
 gcgagcgact agatatataa tgcgcctcaa tcggacctcc gagttaaag ttatgaccat 180
 ttgaaatgct cagagcttcc attgttcaca ttgagcgct tcgatataat atgcacctga 240
 atcggatctg cgagtgcga cttatgacca tntgaattgc tcaagagct 289

<210> 9001
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 9001

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 aatttatcga gacgctctaa attgaacaac ggaagctctc agaaaattta aatgctcata 120

acttttaact cggaggtccg attcaggcgg ataatatatc gagacgtcc aaattgaaca 180
 atggaagctg ttgagcaatt caaatggta taaatagtca ctggagggtc cgattcaggc 240
 acataatata tcgagacgtc cgaaattgaa caacggaagc tctcaagaaa ttcaaattggt 300
 cataactttt aactcggagg tccgattcag gcgcataata tatcgagacg atcgaaattg 360
 aacaacggaa tatctcaagc aattcaaatg gtcataact 399

<210> 9002
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 9002

agcttcggta ttcaatttcg agcgtctcta tatattaaga gacttaatca gacatccgag 60
 taaaaagtta ttgtcgtttg aatttgctga gagcttcagc attcaatttc gagtggttcg 120
 atatattctg ggactcaatc ggacatccga gtaaaaagat attgtcgttt gaatttgctc 180
 agagcttcag tattcaattt caagcgtgtc gatataattac gcgactcaat caaacatccg 240
 agttaaaagt tattgtcggt tgaatttgct cagagcatca acattcaatt tcgagcgtgt 300
 cgatatatta tggggctcaa tcagacatcc gagttaaaag ttattgtcgt ttgaatttgc 360
 tcagagcctc agcattcaat tttcagcgtc tcgatatat 399

<210> 9003
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9003

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 caaggtaata ataagataaa gataaaatcc agaaccctc acttgccctt ctgttaactc 120
 caaaagttgt ggcaacaact cttcatccct cattctctca attcgtttcg atattgaatc 180
 aacagaatat atagccactg ttaagcgtga atgcagatcc ttcacaactg accgggtctt 240
 gtcaatcaca tgagtgcctt gatctttagc aaattgatgc ctaagctggg gacattttcg 300
 gccatagtcc ttccttatgg attcactagc ctacagatag ccgaacagga ggtcaaaatg 360
 atcgatgatt gataacacaa aatttg 386

<210> 9004
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 9004

acagctgatt aactacaacc aatattggtg atttatctaa gcaactaaaa gaagaactat 60
 cgtgggggatg ctctatatgc aaccgttgat ggatagtttg aggacttgag aggaggagac 120
 actgccttgc tttcttgacc cccaagctct ctgtcaagca acttagctgc ccttggatct 180
 gttagtagtg tcttctggaa ggactgtgag aagccagttg caatgatagt cacatgaatc 240
 tccccattgt agcgatcatc aacaacggca ccaaataaa tattggcaga agggtcggct 300
 aaacttgatc ccacctacag cagttatgaa gttttgaaaa caggatacaa atgttcacaa 360
 caaattcata agatcaaaaag aatgctgaaa tggtccttct gacaat 406

<210> 9005
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9005

cgtgacctat gaaactcagc ttentgagag aacttccttg agaagctaga gattatctac 60
 acacaccctt ctcataacta agctcacctc tntgagaagc ttccttaaga gattcctaaa 120
 gaagctagag cttagctaca catacctctc taataggtaa gctcacctcc ttgagatgag 180
 aagctagaac ttagctacac acccctata ataactaagc tcaccccat gacaaaaaac 240
 atgaaaatac aaaaaaaagt cttactaca aagactactc aaaatgcccc gaaatacaag 300
 actaaaaccc tatactacta gaatggccaa aatacaagcc caaacgaagg aaaaacctat 360
 tctaataattt acaaagacaa gcgggctcat acttagccca tgggctcgaa atctacccta 420
 aggctcatga gaacccttgg gcct 444

<210> 9006
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 9006

agctntaaaa gattggctaa gattntgtta aaacataagc acttagacaa tgaaggaaaag 60
ctggagttgc tgcacatgat gtccaacggt atgtcaaaga ataagatcgg gctgcacaat 120
gcacaaggca agataaagtg tcaaatgaag aattgaagct gcaggattca cgatgtcggg 180
tataatgtcc aggacatcct gcctgaaaat actggaattg ctaaaagcat tgaagctgca 240
ggatccacga tgtcggatac aatgtccagg acatcctgcc cgaaaatact ggagttgcta 300
aaagcattga agttgcagga tccacgatgt cggatacgtat gtccaggaca tcttgcccga 360
aaatactgga catataaatc tgttatatct ttaacagatt attgtgcagt ta 412

<210> 9007
<211> 439
<212> DNA
<213> Glycine max

<400> 9007

gtgacactat caatctcagc tttgcaagct ggaatcattt atcctatctc cgacagccaa 60
tgggtgagtc ccatccaggt agtcctgaag aaaaccggcc tactgtgat aaaaaatgag 120
aaagaggagc tgattcctac tcgggtgcag aacagttgga gagtttgcat cgactatagg 180
aggctgaacc aggttaccaa aaaggaccat tttcccttgc cattcattga ccagatgctt 240
gaacgcctgg caggtaaate tctactat ttccttagac tttttctaaa caacattgtc 300
tgatcctctc aaaaccaaate tgtcttatca ctctcaaat attccttggc caaaacattt 360
gcaaattaaa taaggaatct tgatcgatct tcaattgtaa tctccttctc ttaaagagag 420
aaaaatcttc tttttctta 439

<210> 9008
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9008

tctaaactnt atacaagaat gaagctctga taccatttgt tggacaagtg gccttagata 60
tcttaagaag gggggggggg tgaattaaga tattacaaac tttttcccca attaaaaatt 120

ctatttaact ttctattcaa gttataaatt cccttaataa tgaatttctt aaataatgat 180
tcaaatagaa caatctgaat gtgaatataa aacaataata aataaaggag ttcaagggaa 240
gagaaagtgc aaactcagat ttatactggg tgggccacac ccttgtgcct acgtccagtc 300
cccaatcagc ccgcttgaga gttccactat cttgtaaatt ccttttaciaa gttctaaaca 360
cacaaggaca atccttcctt tgtgtttaga attccttcac aacaag 406

<210> 9009
<211> 411
<212> DNA
<213> Glycine max

<400> 9009

cgttacaaat ataatcaaca cgagatccct tgagagattt agtgaataag tccgcgatca 60
ttggagcgga caaaatcggg ggtgactttt cctgagagca ctttctctct caciaagtga 120
caatcgatct ctatgtgctt agtccgttca tggaatacca gattagatgc aatgtaaaga 180
gcagcttgat tgtcaciaa aaacttagtg tctaagtgt ctccaaattg taactgttgg 240
agaagttgcc taagcccaat aatctcacat gtaactactg ccatagcacg gtattcagct 300
tcggcactgg atctggctac tacattttgt tttttgcttc tccatgagat caaatttcct 360
ccaataaaaa cacaataacc aataatggac cttctgtctg acaatgagcc t 411

<210> 9010
<211> 409
<212> DNA
<213> Glycine max

<400> 9010

tatgtaaaag cacttataag agaaggaaat aagaagataa aaaatgaaat aaacttttca 60
taagctaciaa ttagcttatg cataagttaa aaatcatatt tttaaaaaaa ttatatgaaa 120
gaacttttac aaattatctt gtgcataagt tgatttaata tttatttacg agaaaaaaaa 180
aatcctatct tcaagtctca agcatcacia acggcatgat aagtctcaat gagaatattt 240
attaatttaa aaaataggca tttgattatg cctatctgaa ttgaaatttg attatataca 300
aattgaatgt agatacatat atatgaaata gttagaagtg tcatattcac acaataagtg 360
aatgaaacia gatagattga tttctttgac cattacaggg gaatcatgt 409

<210> 9011
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 9011

agcttagaga tcttcaaaaa ctcttatcca agattcatgt atgaattcca cgctttcggt 60
 atgtatgctc ataaaaagct ttcattgctca tcaatcataa gagatataat gtgcatatatt 120
 tgcattgtaa tgctttcctt ttactttcat ctttatcata tatctgtatg ttatgttctt 180
 tttcttgta gtgatgctac taaagtgaag aatggtgcca taatctgttt tagatatattg 240
 ccaaacaaaa gcaacagaca gatgtggaga ttggagaaag agataaactc aaagatatca 300
 aagctcataa aacaacgcca ggaggaaact catgagcatg atctattaca aatgatactt 360
 gagggcgcaa agaattgcga gggcagtgat ggcctattat cacactccat ctcat 415

<210> 9012
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 9012

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 tgacttggtt gccacatggg ccttggtgtg acaagcctta ttggatagat tcttccctcc 120
 ctcaaggact aaagagttaa gaaactagat caccaacttc caacaagaag atgggtgagtc 180
 aatatatgag gcgtgggagt gatacaaggg ttacttgtaa gaatgccctc aacatggggtt 240
 aagcaaatca ttgacgattc aattcttctt tgaaggactg aaccaccaaa gcgtgtcaac 300
 cttagactcc agagttggca aatcattcat gagcaagcca atcaatgaat gcaagactat 360
 ccttgagggtt gtagctttaa aatatgggtca atgggaaaag aaaagtgata atcg 414

<210> 9013
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 9013

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taccgaatac ggtgttgatg ggggttcatgg cgacctgggt cttagtggca tcttcgatga 120
 gtctttcggg attgatgaag gcgacataaa aggggtgtggt acgggtgccc tgatcggttg 180
 tgatgatttc aacgcagtcg tgctgccaga ctccaacgta ggagagaacc tgtggatttt 240
 agagaaaatg agtttagaaa cctagggcga ttcaaatcaa gttcaaaacg tgttcaaact 300
 tgtgagaaac ctatgagaac cactttgaat ctatgagaat gacagagatg caaagtgaat 360
 gagagctaca acgggtgttga aggagaatga agtgtgcaac 400

<210> 9014
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 9014

agcttcatgc ttaactatgt atggcaaaac ttcattattg ttgttcaaga catacaagtg 60
 agcttgtaac aaatcttcta cacttgaggt gatcacctgc agtcctcttg aacccttacc 120
 acccactctg tcatcatgcc gacactcagg aagcccaata ggtttagcct tctctaagta 180
 ttctgaaaaa aattcaatgg cttcttctgc aatgtacctc tcaacaatag atgcttctgg 240
 acgatataga ttctttgtat accctattaa gatcttcatg tatcgctcaa ccgggtacat 300
 ccaccgtaga taaacaggac cacaacattt gatgtctctg accagatgca caatcaagtg 360
 aatcatgatg tcaaagaaag caaggggaa 389

<210> 9015
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9015

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 gaaccctcat ttactatct ctgtgcgagg gaaatttctc tctctataga catcatatag 120
 aaaatcccaa cgggtggaggt gtgctaacat gaactacaaa cctggcctat aaatatcaca 180
 atgatccaat ggttaacgag tacaagagcg tagttttact taaacaagtt tgggtgtatg 240
 cgagaaaaag aaagctacga tgcgaaatgac atttctctca cctcagacat ttttttcgca 300
 tattccaacg gtaaggatgt cccaaaatta gttctagact tggttttcaa atttgacgat 360

gatctaattgg tgaacgagtt tgggattgtc attttactg

399

<210> 9016
<211> 418
<212> DNA
<213> Glycine max

<400> 9016

tctttgagaa aacttccttg agaagctaga gcttagctac acacactttt ctataataac 60
taagctcacc tccttgagaa gcttccttaa gaagattcct aaagaagcta gagcttagct 120
acacatacct ctctaatagc taagctcacc tccttgagat gagaagctag gacttagcta 180
cacacccctt ataatagcta agctcacccc catgacaaaa aacatgagaa tacaaaaaaaa 240
agtccttact acaaagacta ctcaaaatac cccgaaatac aaggctaaaa ccctatacta 300
ctagaatggc caaaatacaa ggcccaaacg aaggaaaaac ctattctaata atttaciaaag 360
ataagcgggc tcatacttag cccatgggct cgaaatctac cctaaggctc atgagaac 418

<210> 9017
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9017

agcttagcaa atggacctgnr gtgttgcta gtttcatcat atcttccata atactcatca 60
cctctatcat atctaataat ttccacattt atgtctaatt gcccttttat ttcattgtag 120
taaatttcta aggcacccat tgcctaagaa atctcgggca gtaagtagac ataaccgtaa 180
cgtgaataat catcaataat ggtgataaag tatctttcct ttctgaaaga actaacatca 240
aaaggccac aaatatcagt atgcacaatt tcaagaagtt gagtgcttct ttagctcct 300
ttctttgtat gttttgcttg ttttccctta atacaacca cacaaatatt tagatccgta 360
aaatctagat aaggaagaat ttcattcttt attaatcttt tcctcctttc tctagaa 417

<210> 9018
<211> 426
<212> DNA
<213> Glycine max

<400> 9018

ggaccacgat cagttggagg ctcatgtcag acgccccag ggtgactagc actctgctca 60
tacattactc tgagtgcacc tgatcagtag ttctgttggc ccggtcaata gaactttcag 120
agttcaatat cagtataaac ccctagcccc ataaagacac aattcatgga agacattctg 180
gtagaatttg ttgggaatga ccaaaccacc acagactggt ggaaccttta tgttgacggc 240
gcgtccaaca tgaaggggaag taggggatga atcatcctcg aaggacttga taatgtaacc 300
ctagagcagg ccatcaagct caacttcaaa gcctcaaaca atcaggctaa gtacgagggg 360
ctcattgcaa gtctaaaact agcaagagaa gtcggggcca agaagctatg atgctacata 420
gactcg 426

<210> 9019

<211> 405

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9019

agctnttaac tcaatttaag ctgaggattc ttattcaatg attattgta attgcttttg 60
gtcccaaadc tttgaggttg ttttttccaa taaacgttgg ttatatttct ctttatgtta 120
tttgtaaagt tgataattaa caatgatgaa attagtacat tagttttttt taaatccaat 180
aaaaccatct tatttaccta cttttattag tttgtgtaat tatgttaaaa atgctttgta 240
ataaaaaaga ccagatgaag tagtaaatat aaatacattt ttaagcaaaa attcaaacct 300
tagtttgttt ttatcgtaat attcgaaaat taaccgtaca ttagattcaa ctctcctagg 360
ttacaattag tttttttttg gcatttttgt ggcttagatt ttttt 405

<210> 9020

<211> 390

<212> DNA

<213> Glycine max

<400> 9020

ctcagctatg ctgcaacatt tataatagac cctctcagta gctaaaccaa caacaatata 60
ataattatga tctttcaagc aacagatata atccaggttg gaagaatcat ccaaacttga 120
gatgggcaag tcttccacaa caacaacagc ctgtccctcc tttccagaat gctgctgggt 180

caagcaggcc atatgttctt cctccaatgc agcagcaaca acaacaacaa agacaacaag 240
cagctgaggg ccctttctcaa ccttccttag aggagttagt gaggcaaagt atcatccaga 300
atatgcaatt ttagtaagag acaagagcct ccattcagac tctgacaaat tagatagggc 360
agatggctac ttagttgaac caagctcagt 390

<210> 9021
<211> 329
<212> DNA
<213> Glycine max

<400> 9021

tgctaacca tggaagctcc taatatctcc cacactttct ggggtgggcc attcttggat 60
ggcctcgatt ttctcacgtg ccaactcggac cccatatcta ccaactacaa aacctaaaga 120
aactatctta tctacacaaa aggtccactt ctctatattt gcatagaggg tgtttttcct 180
aaggactgaa agaacttgct tgagatgtcc taagcgatca tatgggctcc tactatacac 240
ttatatatca tcaaaataaa cagctacata tctacctatg aaatcccttt agacatgatg 300
cgtaagcctc ataaacgtgc ttggtgcat 329

<210> 9022
<211> 397
<212> DNA
<213> Glycine max

<400> 9022

agcttcaaga gaaagatggc ctcagcatat tccttatttc cagaagggaa ttctatcaat 60
agacctcaa tctttaatgg agaggggttac cactactgga aaacccgaat gcaaattttt 120
attgaggcaa tacatctaaa tatttgggaa gccatagaaa tagggcctta tatacccacc 180
acagtagaaa gagttacaat agatgggtgg tcatcaagtg aaagcataac tatagaaaaa 240
cctagagata gatgggtctga agaggataga aaacgagtag catacaactt aaaagccaaa 300
aacataataa catctgccct gcgaatggat gaatatttca cggtttcaaa ttgtgagagt 360
gctaaggaaa tgtgggacac tcttcgatta acacatg 397

<210> 9023
<211> 285

<212> DNA
<213> Glycine max

<400> 9023

agaatcggac ctcagtgtta aaagttatga ccatatggat atctcgagag ctatcgcggg 60
acagcttcca gcatctagac gtaagatgcg ccataatctg acttccgtgt gaaaagatat 120
gaccatatga atatctcgag agctttcgct gtagaacttc gagcgtctaa atatatggta 180
agccagaatc gagactccgg ggtgaaagtt atgaccagtt ggatttgacc attgcgatct 240
tggttcaact cccagcgtct agtcatatgc tgtccccgaa tctaa 285

<210> 9024

<211> 410

<212> DNA

<213> Glycine max

<400> 9024

tctagacaat gcatcagaag ggatatttcc ctacctggtt tatattgtat ggagaaatca 60
taaccaagga atttgtgtaa ccattggtgt tgttccagag tctgcaatgt ttgctccaac 120
aactccttaa ggcttttctg atcagttcta ataatgaact tatggcctaa caaataatgc 180
ctgaatttgg ccatggctgt gatagcatag aattccctag tataagtaga ttgcttctgc 240
attctagggg acaacttctt aaagaaataa gcaataggat gttgagattg actcaataat 300
gctccaatac ccgaaccaga agcatcagtc tcaagtacaa atggttctct aaaattagga 360
attactaaca ttggagttga agtcatagct ttcttgagtt gcaaaaatgc 410

<210> 9025

<211> 417

<212> DNA

<213> Glycine max

<400> 9025

agcttgttca gttcatcaaa caatctctct tttcttagtt tgaagagtaa caggttgaag 60
gggccatttc cactttcaat ccctagtgtc atcacccctaa ctgaaattga catgtcatgc 120
aatcaaatat caggagatt gcaagattta actgatttga gtagcttggg acaactagat 180
ttaagggaaa acaggttaga ctctaaacta cctgcaatgc caaaaggggt gataagtctt 240
ttcctcagca gaaactcttt ctcaggtgaa attccccgagc actatgggtca actagatagg 300

cttcagaagc ttgatgtttc cttcaattca ctcacaggca ctgctcctgc tgaacttttt 360

tctttgccta acattagtta cttgaatttg gcatccaaca tgttgaatgg accactc 417

<210> 9026

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9026

gtgtataggc aagaaccnc tctgttaatt aaaggagttg acatttcttc aaggatggaa 60

gagataaatc agttgagtag agaaagggat gaattattgt aggagttgag gagtaaccta 120

cttaaggctc aggatcagat gagataatat gcaaataacc atagaagaga actgatattt 180

catgagggag attgggtttt tttgaaattg caaccttata gaatgaggtc cttagcaagg 240

aagccaaatg agaaactgag tccaagattt tatggaccct acaaggatgat acagaaaata 300

ggggaggttg cttatagggtt ggaacttcca gaatgaaagc aagatacatc cggttttcca 360

tgtatctntg ctcaaaaagg cagttcaacc cacttgtttc cctcagacat taccta 416

<210> 9027

<211> 385

<212> DNA

<213> Glycine max

<400> 9027

agcttagcaa ccaatttcac catcaagtat tatgatcatc tttgggcttc aagtacaaag 60

tgtaatcaat atccaacttc taaggcttcg aggatagga aaataactta caatttgtag 120

catcatcctc attcattccc agaaataaag cagtgtcttt aatgcttata gtagaataag 180

cagagagaag cagctgaaac atctcctttg tgtaaagttc tggaaaaagt ttattggtat 240

taaaattttt gctgaactaa acatctttga ataaaataaa ggtgcacaag acttgatgaac 300

tcaagctata tggagaagca atccaaaacc aagaatcata ttttaataaac caattgcaga 360

agttaccatg gaagtagtac attac 385

<210> 9028

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9028

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acaactattg gagttggaag aaatgagatt gattgcatat gaatcttcaa gggtgtatta 120
agagaagggtt aaaacttacc atgataaaaa gttgctaaag aagaattttc aaccaggaca 180
acagggtgcta ctattcaatt caaggctgaa attgttcctt gcgaagatca aatctaaatg 240
gtccgaacca tttaccatca acaaagtcag accatatgga gcagtagagc tttgtgatcc 300
tcaatccaag gatccagaca gaacttgggt agtgaatgga caaagggttaa agttgtacca 360
tggtggaact attgaaagat taaccactgt tctatccttc caagaataac aatgaactat 420
gcgtc 425

<210> 9029

<211> 414

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9029

agcttgaagg anaactggat gcattgggta acttggtaac ccagctggcc ttgaatcaga 60
aatctgtacc tgtcgcaagg gtttgtgggt tgtgctctc tgctgaccac catacagacc 120
tttgccctac catgtagcaa cctggagcaa ttgagcagcc cgaagcttat gctgcaaaca 180
tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagaac aattatgacc 240
tctccagcaa caaatacaac cctggatgga ggaatcacc taatctcaga tgggtctagcc 300
ctcaacagca acaacagcag cctgctcctt ccttccaaaa tgctgctggc ccaagcagac 360
catacattcc tccaccaatc caacaacaac aacagcccca gaaacagcca acag 414

<210> 9030

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9030

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atcgagatgc tcgaaattga aaacagaagc tcatagcaat tgcaaaccac aataactatt 120
aactcggatg tccgattaag tcccgtata tctcgagacg ctcgaaattc aaaacagaag 180
ctctgagcaa attcaaacga caattacttt ttactcggat gtcggaatga atcccgtaat 240
atatcgagat gctcgaaatt gaaaacagaa gctcatagca attgcaaacc acaataacta 300
ttaactcgga tgtccgatta agtcccgtaa tatatcgaga cgctcaaaat tgaaaacata 360
agctctgagg aaattcaaac gacaattact ttntactcgg atgtctgaat gaatcccg 419

<210> 9031
<211> 398
<212> DNA
<213> Glycine max

<400> 9031

agcttgagca aattcatagc ataataactt ttaactcgga tgtccaaatg aaaccataa 60
tatatcgaga tgctcgaaat tgaaaaccga agctcgtagc aaatgcaaac cacaataact 120
ttttactccg acattcgact gagtccctta ttatatcgag acgcttgaaa ttgaaaacag 180
aagctcgtag caaatgcaaa ccacaagaac ttttaactcc aaaattcgat tgagtcccg 240
aatatatcga gatgctcaaa attgaaaaca gaagctctga gcaaattcaa acgacgaata 300
aatttttctc ggatgtccga ttgtgtcccg tattatatcg agacgctcgt aattgaaaac 360
ggaagctcgt agcaaactca aacaacaata aattttta 398

<210> 9032
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9032

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atcgagacgc tcgaaattga acatcggaag ctcttgagca attcaaattg tcataacttc 120
taactcggag gtccgattga ggtgcataat atatcgagac gctcgaaatt gaagaatgga 180
agctcttgag caattcaaat ggtcataact tttcactcgg aggtccgatt caggcgcata 240
atatatcgag acgctcgaaa ttgaacaatg gaagctcatg agcaattcaa atggtcataa 300

cttttcactc ggaggtcgga ttcaggcgca taatatatcg agacgctcga aattgaacaa 360
 tggaagctct tgagcaattc aaatggatcat aacttttcac t 401

<210> 9033
 <211> 383
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9033

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 ggttgatca aatggagaat agagaccata tgaattgctc aagagcttcc attgttcaat 120
 ttcgagcgtc tagatatata atgcgcctca atcgacctc cgagttaaaa gttatgacca 180
 tttgaaatgc tcaagagctt ccattgttca atttcgagcg tcacgatata ttatgcacct 240
 gaatcggacc tgcgagtgc aacttatgac catttgaatt gctcaagagc ttccattggt 300
 caattttgag cgtcacgata tattatgcac ctgaatcgga cctgcgagtg acaacttatg 360
 accatttgaa ttgctcaaga gct 383

<210> 9034
 <211> 397
 <212> DNA
 <213> Glycine max
 <400> 9034

tttccacctt tcattagcat ctgcatctct gtggatcaga gaatggaact tcatcttcag 60
 tcagctaaac cctgagtcc atagggatcc ccttcttcga gtacataacc tcaatcccta 120
 agaagtactt caaggccccc aagtcttttag tctgaaactg agtttgaaga aaactcttca 180
 agttgtcagt acctttatta tcaacttcttg taatcacaat atcatcaaca tacaccacaa 240
 gtaagatgct gccaaaggta gtatttttat aaaatacagt atgatcactt tgactcagct 300
 tcaatccaaa tgcaaggacc acaccactaa atcttccaaa ccaagatcta agtgattgca 360
 tcaagccata taacaacttt cttaagcggg ataccat 397

<210> 9035
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 9035

tgtaattgat tacatcattt gtgtaaccga ttaccatata gaaaaattca aatttcaagt 60
ctgaatgtca taactcttaa taaactaatc gtgtaatcaa ttaccacatt tatgtaatcg 120
attactagta aggaattttc aaaaataact cccaagagtc acaactgttc aagaagtttt 180
tgaatgacca tcaaaggcct ataaataggt gatttgggac acgaaattgc tcagagtttt 240
tctgaacaac attgtcttat cctctcaaaa ccaaattgtc ttatcactct caaaatattc 300
cttggccaaa atacttgcaa attcaataag gaatcttgat caatcttcaa ttgtaatatt 360
cttctcttaa agagagaaaa ctcttcttct tattcaaaga gatctattta 410

<210> 9036

<211> 316

<212> DNA

<213> Glycine max

<400> 9036

agcttatccc atgcttcttt ggccgtcttt gcattagata tcttctcaaa tgtatcttca 60
tccaccgatt gataaatgag aaagagagct ttcttgtctc tctttcttga ctcttcaac 120
gtctccttta caccttgact tagcgaggct tcattctgct cctcgaagcc attctctacg 180
atatcccaca catcttgagc tcctagtagc gccttcatct tgttactcca attatcatag 240
ttgttctttg tgagcatcgg catttggaag ggaaaacctc cattcgccat cttttgagga 300
tcttgaagct ctgata 316

<210> 9037

<211> 460

<212> DNA

<213> Glycine max

<400> 9037

ctctgcaggg catgcacagc ttgttataaa aaaaagcgtc tttctaactc tatatttgc 60
atatctttac acgtcaatgc ttattgaatc agtttgatat agtgctcgag ttagctgata 120
taagtaatgt gcctttatat taagactatt tacacccaac aataccggtt gtattattac 180
atagacgaga tgtatataaa taaatacaac atgatatacg attttctga ttactcacct 240
ttgcttgga tactgaactt tggcactaga ctgaacttag acataatgat acacgtttcg 300

aatacaagtc ataattgata ttctgataat ataatgattt acttggaaca gtcatatcaa 360
aaggctttac aagtggatcc ttcttacaaa gcatctgctg agtgcctagc cattgtttta 420
acggatattg gtaccaacat aaagcttgct ggaaacactc 460

<210> 9038
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9038

agcttggttac atatagtttc aacctgatgt cttttaaaga cttagtaaaa atatcagcca 60
agtgtacga gatctatctt tatgtgttta gtatgttcat ggaagactaa attagatgca 120
atgtgaagag agcaacttga ttttcacaaa taagcttagt gtcttgagtg tctccaaact 180
ttaattgttg gagaagttgc ctaagccatg taatttcgca tgcaacttct gtcatggtat 240
agtattcaac ttcagcgctg gatctcgcaa ctatatntg cttcttgctt ctccatgaga 300
tcaaattccc tccaagcaga acacaatagc ctgaggtaga actcctgtcc aatcagcact 360
atgagtaaca aacaatttga cattgtcttc gtcttcatat 400

<210> 9039
<211> 404
<212> DNA
<213> Glycine max
<400> 9039

tgtcaaagcc ttgtatggat tgaaataagc tataagagct tggtatgaaa gactaagttt 60
attcttactc tagatagtta ctctagagaa atagtggaca cttcactatt cagaaaggct 120
tagaaaaagg atctgctgat tatacatata tatgtgaatg acatcatttt ttatgtaacc 180
tctgaaagga tgagcaagga gttttctgag ctaatgaaa gagaatgtaa aatgagcttg 240
atgggtaagt tgaagttctt tataggactt caaatcattc aaaaagatta tggaattttc 300
atgcataaag agaaatacat caaggaccta ttgaaaaggc tcataatgga tgaagcgaca 360
caaatggcta ccggtgcac cttccactat cattgactat gatg 404

<210> 9040

<211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9040

cttgatttcc tntgttttcgg aaacctctct tttctcatgt gcacccaaac ccaatctccg 60
 ggttcgaaga caaccttctt tctccctttg ttggcttggt tagcatagct tttatttttc 120
 ctctcaattt gatctttgac tctctcatga agcttcttca catagtccgc ctttgcttga 180
 ccttctttat gcttaaaaac agaaacatta tgcataggca aaagatcaag aggagttagt 240
 ggggttaaac cataaacaac ttcaaaagga gaacaattag tgggtgctatg aacagctcta 300
 ttgtaagcaa attcaacatg gggtaaacia gcttcccaag tttttaagtt attcctcaaa 360
 actgtcctaa gcaaagtgtc aaaagtccta ttaacaactt ccgcttgccc atcggtttgt 420
 gggtgacaa 429

<210> 9041
 <211> 415
 <212> DNA
 <213> Glycine max
 <400> 9041

agcttagacg cagaacaaga caggttatac ggagaagaat aaagtgcggg caaaataggt 60
 cagcctgat ataatttaa atgtaagtcc aacatcgatt ttcaataaaa aaaaaaaac 120
 ctatgttaac aaaatgatgt taacgttaac atcggttttc ttcaagaaac cgatgttaac 180
 ttatcatacg ttaacatcgg ttttcagaaa accaatgtta acctcggttt tcttcaaaac 240
 cgatgttaaa gaacttacgt taacatctgt tcttctaaaa ccaatgttaa ctaattaatg 300
 ttaacatcga ttttccaaga accgatgtta acgtcacttt gttaacatcg gattttcaaa 360
 aaatcgatgt taaaggatac acattattta caattatgcc accgcattta tcata 415

<210> 9042
 <211> 412
 <212> DNA
 <213> Glycine max
 <400> 9042

agcttctggt cctgagaaac tgggtcccat aagacaacag ggagtgaaga ttgctgaaaa 60

ccctagcctt gcaacaagtc ctagggaagt agacacggag atggacaaga aaatccgcag 120
tattgtgagt agcattctga aagatgcttc tgtgcctgat gctgagaaag atgttccaac 180
atcgccacc ccgaatgttt ctgtgcctga tgttgagaaa gatgttccaa catcttccgg 240
tccaaatgct gaagtactct cttccccag caaagagaga tcaacagagg aagatgatca 300
agcgacaaag gagaccctg caccaagggc accagaaact gttccaggtg acctcattga 360
cctggaagta gtagaatctg atgaagaacc cattgccaac aggttggcac ct 412

<210> 9043
<211> 397
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9043

agctttgaga ttaacctcaa gctagcatgt ccaagcttct tatgccatac cagtgatgct 60
ccttgacaaa gagtaaacac aatacctttt gactgtacaa atcaccgagt ttaatctcct 120
tgtctcttag cagaaaagag tgaagagtta tccttgttat ggaaaatata tatatccttg 180
taaaagggtga cattgtatcc actatcacat aattgactta tgcttagcag attgtgcttc 240
aatcctttaa caagtaaaac attatcttta agaggataag gagaaatgca tactttacct 300
acccaggtta tcagtccttt tttattccct ctgaaaatga tcacccact agatataggg 360
cttaaggatt ggagcataga ctnttcgcct gtcatgt 397

<210> 9044
<211> 400
<212> DNA
<213> Glycine max
<400> 9044

ttcactcgga ggcccgattc aagcgcataa tatatctaga cgctcgaaat tgaacaacgg 60
aagctatcga gaaattcaaa tgggtcaatac ttcgaactcg gaggtcctat taagggtgcat 120
aatatatcta gacgtcaaaa attttacaat ggaagctctt tggctataca aatgggtcata 180
acttttcaact cgaagggtccg attaaggcgc ataatatatc gagacgtca aaattgaaca 240
atggaagctc ttgagcaatt caaatgggtca taacttgtca ctcgagggtc cgattcaggt 300

gcataatata tcgtgacgct cgaaattgaa caatggaagc tctcgagcaa ttcaaaggt 360
cataacttgt cactcggagg tcggattcac ggcataata 400

<210> 9045
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9045

agctntgatg taacatttgg agagggttaat gaaacaacga gatgatgcg tccatgagag 60
gttgatcaa atggagaata gagaccatat gaattgctca agagcttcca ttgttcaatt 120
tcgagcgtct agatatataa tgcgcctcaa tcggacctcc gagttaaag ttatgaccat 180
ttgaaatgct caagagcttc cattgttcaa tttcgagcgt caccatatat tatgcacctg 240
aatcggacct gcgagtgaaca acttatgacc atttgaattg ctcaagagct tccattgttc 300
aattttgagc gtcacgatat attatgcacc tgaatcggac ctgcgagtga caacttatga 360
ccatttgaat tgctcaagag cttcca 386

<210> 9046
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9046

tgaaagaaaa ttagtaatta acataagtaa agctagtaat taagtagaga taattaaggt 60
tgacttatgg tgatctagat tttatagaat tagaaaaggg ataattaagt catattagtt 120
taaagtggag ggcattttca taaatgacaa tataactagt ttaaaataga atttttagtt 180
taattagttg gtgattaatt aaagtgttta gttacatgat gtagaataat taaaataagt 240
tagagttgta acaccatgaa aaattacaac tcatactgac agaggaagtg tngtgcac 300
tatacatgta tgaatttaac tccaatagta tatgtttttt atcatagaan tttgtgttat 360
atataagtga caccctctac cgaaacatac atataaaaaat aaaaataaaa ttattaa 417

<210> 9047
<211> 449
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9047

atccttacag tcacctgctg catgcaagcn ttggcatgta ctcaacgaag tacttggtg 60
cctctaaaat aaaaggaata ataatatatc agttagcagt tacataggca atngtaggaa 120
tccaacattc cttgcaacat caaagtttgc attgcaacaa taaaaaaaaa taaacaactg 180
aaacaccttc aacctggatc tgggttntta tctggatggt attgaataga aagtcgccta 240
tactttttct ttatttcaga ctctgccgct ccaggctcta atcctagaat attaaacgga 300
tcaaaaattt ccatctgcat taaaattaaa agaaaaattt cagaacgtgc accagtggaa 360
gtctcagcca attagtaaaa tgttaaacac aaatacaaga tccctcaata ctaatttcaa 420
atctcaagaa gtggaatagc tgaattcat 449

<210> 9048

<211> 285

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9048

accatacaaa ccttntgcct tccatgtagc aacctggagc aattgagcag cctgaagctt 60
atgctgcaaa tatttacaat agacctnctc aacctcagca gcaaaatcaa ccacagcaga 120
acaattatga cctctccagc aacagataca accctggatg gaggaatcac cctcacctca 180
gatggtnacg ccctcagcaa caacaacagc agcctgctcc ttcctttcaa aatgctgctt 240
ggccaagcag accatacatt cctncaccaa tccaacaaca gcaac 285

<210> 9049

<211> 189

<212> DNA

<213> Glycine max

<400> 9049

tatattatgc gcctgaattg gaactccgtg tcataagtta tgatcatttt cattttctcg 60
agagctgtcg tgcttcaatt tcaagcttct cgatatatta tgcacctgaa tcagactttc 120
gtttgacaag ttatgaccat cttgatttct cgagagcttt cgcggttcaa tttcaagcgt 180

<210> 9050
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9050

atcctctcag tcacctgcgg catgcaagct ntgatgggtg cgagaagaaa tcacatgttt 60
 gtcacatca aaaagggggt taatgtgaat gtatgtatac atgattntga tgatgtcaaa 120
 aaagaatcta acaaggctgc ttcaaatgat aagcatttgc ttcaagaata attcaagatt 180
 gcttcaacaa acaaagcctt gtttcaagat tcactaaaga ccaagccttg ccttataaca 240
 nagtgatttc aagacatgca aggcctctgg tatcgattac caggaagtgt aatcgattac 300
 cagaagacgg ggttgagaaa tagctgttga aaaagggttn tgaatttgaa tttcaacatg 360
 taatcgatta ccatatgtct ggtatcgatt accacgcacg aaactttgga aactcanatt 420
 caaaagtcac aaccct 436

<210> 9051
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 9051
 ctttttactc ggatgtctga ttgagttccg tcatatatcg agacgctcga aattgaatgt 60
 tgaagctctg agccaattca ggcgacaata tctttttact cggatgtctg attgagtcct 120
 ttaatatatc gagacgctcg aaattgaatg gtgaacctct gagccaattc aaacgaacat 180
 taactttttc tcggatgtct gattgagtc tgtcatatat cgagacgctc gaaattgaat 240
 gttgaagctc tgagccaatt caaacgaaca ataactttta ctcggtatgtc tga 293

<210> 9052
 <211> 357
 <212> DNA
 <213> Glycine max
 <400> 9052

tgctagcatg caagcttaag ccataactaa tagtgccctgc caagtatatg agactccatt 60

gtattgctgt ccaatgctgt tcagcgcgat ctgacataaa ttgacagacc tttgtggcca 120
 agaaactaac ttcagatctg gtgatggttg catactgcaa agcaccacaca acacatctgt 180
 atatagtggg atcagaacaa gactcacacc ctgatctggt taacatgcat ccaccaacca 240
 ttggagagga gatggacata gcttcatcca tctcggttgt agacaacaaa tctctcgat 300
 acttgactg atgtagaata agagcacatt acgctgatgt ctgacttcaa tacccat 357

<210> 9053
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9053

gcttctttcg tagttcttta cacatataan atagtgacaa tcttgtcttc tcgaacagtg 60
 tttcaaagtc ggctgctata tgccgctatc catgattgat aatagggaga accacactgc 120
 aaaaggtagt tgttgtagtt gaagttagag agccctagca cctatacaca tcatacaaaa 180
 attccatatt ttcaaataac ggggttaggt tcataccttg cagttggatt ctaaaatttc 240
 accattatct gcacccctag cgcccatgtg ggcactggct gtgcactaat tcccttacta 300
 gtcttggatc aactctgcaa ttctactgat gtccactca tgccgcttgt ttgcaactaa 360
 gagatatatt gaaaagattt gacaccaatt gagaagaaca tctagagaa 409

<210> 9054
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 9054

tcggacctca gtgtgaaaag ttatggccat tatattatct ctagagctac cgctgttcat 60
 tttcgagcgt ctctatatgt gatgcgcctt aatctaactt ccgtgtgaaa agctatgacc 120
 attagaatct ctcaagagct ttctttgttc aattttgagc gtctcgatat gtgattcgcc 180
 tgaatcggac atccgggtta aatcgatga ccatttgaat ttctcaagag cttccgctga 240
 tgaattcgag gctctcgaca tattatgcgc cccaatcgga catccgtggg aaa 293

<210> 9055

<211> 387
<212> DNA
<213> Glycine max

<400> 9055

agcttggaga aattcaaagt gtcataactt ttcacacgga tctccaattc atacgcatcg 60
catatcgaga cgcttgaaat tgaacagcgg aagctcttga gaaatttaaa tggtcataac 120
ttttaactcg gatgtctgat tcaggcgatt cacatataga gacgctcgaa aatcaacaac 180
ggaagttggt gagaaattca aatggtcata acttttcaca ctaagggtccg attcagggtt 240
ataatatatc gagatgctca aaattgaaca acggaagctc tgcagaaatt caaatgggtca 300
taacttttca cacggatgtc caattcaggc ttatagtata tcgagacgct caaaattgaa 360
caacagaagc ttttcagaaa ttcaaat 387

<210> 9056
<211> 290
<212> DNA
<213> Glycine max

<400> 9056

tctagcattg ttatgtccac gaatcggcca tctgtgtttt aagttatgac cagtcgaatt 60
tggtgagagc ttgcattggt caattgggag catctcgata aattattttc ccaaactcgga 120
catccgtgtg aaaatttatg accattctaa tttatcgaga gcttccgtgg tttaatttcg 180
agcatctcga tatattatgt ccccgaaatc aacatctaag tgaaatgta tggccattcg 240
aatttctcga tagcttccgt tgttcaattt cgagcggcta gatgagttat 290

<210> 9057
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9057

agcttcttat ccaaggctca tcttgggtgt gaagctcctt cttccatggc ttattcccta 60
gtggatggcg cctcctctca cctcttctcc tttgtcttcc gctgcatttc catgggtggaa 120
aatcaccatt aaaggacctc attgaagctc aaagatccag cttccataga agccccacaa 180
gcaagcttcc atcaataact tttcacacgg atatgagatt cgcgacata acgctgtctag 240

actctcaaaa ttgaacaacg gaagtcctcg ataattcgaa taatcataac atttcactcg 300
gatgtctgat tcgaggacat aanatatcga gacgctcgaa attgaacaac ggaagcactc 360
gagaaaattg aattgtcata acttttcac 389

<210> 9058
<211> 369
<212> DNA
<213> Glycine max

<400> 9058

aacatttgca tttctcgaga gcttccgttg ttcataattg accttctcga tatcttatgc 60
gccttaatcg gacatctgag tgaaaagtta tgaccattta aatttctcga gagcttccgt 120
tgttcaattt tgagcatctc gatatgtag gctcctgaat cgaacatccg agtgaaaagt 180
tatgaccatt tgaattactt aagagcttag gttgttctat ttcgagcgtg acaatatatt 240
atgcgcctga atcggacatc tgagtgaaaa gttatgacca tttgaatttc tcgagagggt 300
ccgttgatcc atattgagcg tctggatata ttatgcacca gaatcggaca accgagtga 360
atattatga 369

<210> 9059
<211> 361
<212> DNA
<213> Glycine max

<400> 9059

agctttggag aaccaagcca atcagaatgc tatacgaaat atagatggga atagaggtaa 60
caatggcggg aatgacggac cgaggcagaa ccgggttgag ggagtaaagc tcaatgttcc 120
tcccttcaaa ggtagaagtg atccagatgc ctacctggac tgggaaatga agactaagca 180
cttatttgcc tgcaatgact aactgatgg gcagaaagtc aagctagcag cagctgaatt 240
ctccgactat gcccttgttt ggtggcataa ataccaaaga gaaatgttga gagaggaacg 300
acgagaggta gatacatgga ctgagatgaa aagggtgatg agaaaaaggt atgtgcccac 360
t 361

<210> 9060
<211> 402

<212> DNA
<213> Glycine max

<400> 9060

accgatatca tataatatta tgaagatggg tgaagaacaa cacatagttg tcagagaaga 60
agtggacaaa ctccctcaatg ccaacgttat cagagaagtt agatattcca cctggctcgc 120
cgatgtcatc atagtaaaaa aggctaacga caaatagcaa atatgcattg actatactga 180
tatgagtagg gcgtgcccta aagatgcata ccctttgccc aacgttgaca ggctagttga 240
tggagcattt ggattctagg tgctaagctt cctagatgct tactccgaat acaactagat 300
taggatgcat gctctagatg aggagaaaat gacattcttc actgagatgc aacttttgc 360
aaagggcatg ccctttgcct aaaaaatgca gtgctacata ct 402

<210> 9061
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9061

agcttgtcca gctagccgct ccaaaatctg ctccatgaac gatagaggga aatgatcatt 60
ccttgtggtg tcattaagtt tgtgatagtc tatacacatt ctccactcag tgaatgcccg 120
tgtaagggtg agatcattct ttccattatg gatcaccatc atactacttt tcttgggcac 180
cacttggact ggactcacc aagcactgtc aaagatcgga aagataagtc ctgcttcaag 240
caacttgagg acttcccttt gcacttctc cttcatggat ggggttgagtc tcctctgcgg 300
ntgtctcacc ggtctataat caacttccat aatgaatttt tgcacacaat aagatgggct 360
aatcccttca agatcaaaga tgtgccatct tattgttgcc ttatacnttt tgatgacctt 420
cactaactat gcttctctta ctg 443

<210> 9062
<211> 448
<212> DNA
<213> Glycine max

<400> 9062

agcttcatga tgatgaatca tgtagttttg atgatgacaa aaagcccaa agaatgattc 60

aagaaaagac atcaagaaga atcaagattc aagagaagat gaattcaaga ttcaagagaa 120
gaaatcaaga agcaacaagt caagacttaa caagggaagt attgaaaagg atttttctaa 180
aaccaaacat agcacaattt tgtttttacaa aagagttttc tcaaattttt ctaagttacc 240
agagtattta ctctctggta atcgattacc agtttctgt aattgattac caatgataaa 300
atttgatttc aaaaagtttt taactaaatt tgcaacgttc caaatgattt ttaaattggtg 360
tatttgatta caatatattg gtaatcgatt acgagtgtat ctgaacattg aaattcaaatt 420
tcaattgtga agagtcacat cttttcat 448

<210> 9063
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9063

agcttgccat ctgtcccaa gctaaaacca ttatcacaga agaagaggaa gatggnggaa 60
taacgacgca naatggtcag agaggaagtg gacaagctcc tcaaagccaa tttcattaga 120
gaagtcaggt actctaccta gctcaccaac gtcgtcatgg taaaaaagtt caatgacaaa 180
tgacggatgt acaatgatta caccaatccc aacagggcat gacccaagga tgaatatcct 240
ttactcagca tgcacaagct agtcgatgaa gcatctgggt tccaagtact aagcttcctg 300
gatgcctact ttggatacaa tcaaattcga atgcacaccc cagacgaaga gaagacgaca 360
ttcctcacta aagatgtcaa catttgttac agggtcatgc cctntggcca aaaatgcang 420
cgctatatac ca 432

<210> 9064
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9064

agcttgtgca ttcaataccc tgatgaggat gtcccatatg ttcttaaac tagactgata 60
cacttgttgt ccaagtttca tggttttgca ggtgaagacc ctcataagca tctaaaagaa 120
ttccatattg tctgctccac catgaaacct ccagacgtcc aagaaggta catctttctg 180

aaagcctttc ctcattcttt agaggagtg gcaaaggact ggctatatta ccttgctcta 240
 aggtccatca cgagctggga tgacctcaaa agagtattct tagaataaat tttccctgcc 300
 tccaggacca cgaccatcag aaaggatatt tcaggcatta ggcaacttag tggagagagc 360
 ttatatgaat actgngagag atttaaaaaa ctatgcgcca gttgccctca ccaccagatt 420
 tctgagcagc ttct 434

<210> 9065
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9065

agctntttat taatatatca gttntttccc tatgcaaatt taaaatatgt ttttcaatca 60
 atgggtttat aaagattttg tttatattaa ccagtgttaa tattaagttg cctttctatt 120
 ctaagaagct tttactttta taagtgagtt gtatcttgac tatcttatag ttttatgtag 180
 tatttttttt tcaaaaattc tgtttatacc agttgaacga gttattatta agatttgtcc. 240
 atttacattg aattaataac aaaaaaattt atcatttttt tattttattc aatacttact 300
 agtaaaattt taaaaccata aaaattaaac ctaaccaa at caaaaagaa taatttagtt 360
 tgatttgaat ttcataattc attttaaatt aaccactata ctggcactta attnttttta 420
 tttggattag agntatttaa agcataaatc aca 453

<210> 9066
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 9066

tcttggccaa aattgtaaga taatataaaa ttttataatt aataattcat gaaatctatg 60
 ctttcataaa tttccctact ttatttcata agaaaatgtt caccctatgt tagattaaat 120
 aacatattaa aaaacttaca tgtagtaag caagagagtt tctatgtata ttaagagtat 180
 aataacaata aattaagaaa aataagctaa ctttaataag ttaaccatta atgtagttta 240
 ggtaaattgt tcattcttga tttaataaaa aatgtttatt ccaagagttt gattttatac 300
 attatatata taatataatt tatatattaa taacatatat gacatcaaca cgatggtgaa 360

ttttaaaatt attataacaa cgaattaaag aaatttaact ccactcta

410

<210> 9067
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9067

agctntgagg gatttcaa

<210> 9068
<211> 372
<212> DNA
<213> Glycine max

<400> 9068
agatgaggat catccacac

<210> 9069
<211> 388
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9069

ntatacacct tcgagtgggt ntccctctatt cgggtgaata tagtgtctct tctaagtctc 60
ttttagaaat gaaatgtgaa atgtcttaat ctcatattg gttatgagaa attctatctt 120
tgtgctttca ttccctgtttc gtcattattat ttttgaaaga ctgtgtgttg ctgtaccatc 180
gatttggggg ttgatttctt tgccaagcat gctcgcagta taactagagt gttcataaat 240
ttcaatgtct tcagtgttgt agacctcaaa gacttcagtg gcttctatat tttacgcgac 300
ttcaatgtct cttgtcttgt atatctcaga gacttcaatg tcttcagtct tcatatgttc 360
aagactctaa tgtctttaat cctttaca 388

<210> 9070

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9070

agcttggcct ttatgttgct caccatgttg ttccccctat ctctaacaat ctctcccttn 60
ttggctttga tgatgcaaaa cttgaatatg acattgagtg catttggagg gtctgagtga 120
tgtaagctcc attggagctn gtaagcctag gatcttcttc atcaatagat tcctttgctt 180
cttgaagat gaagggcagt ggaatggaga aggaagagag agagtagatg ccacttcaag 240
gagaagatga gtctagaaga agctcaccac cataggaggc catggataag agcttggagg 300
aagaaggaga tgaatgaagg gagacggaga gaagagcacg aaattntgtg ctctaaaaga 360
tctctgaaat atgaagttaa atattcaaat gatncaaatt aaacaaatgc acacacatg 419

<210> 9071

<211> 356

<212> DNA

<213> Glycine max

<400> 9071

tagggttaaa gtctcacgat tgctacgtgc tcatgcttca attgttagcc gtggctatac 60
gagacatctt gccaaacaaa gtcaggttca cgataactcg cctgtgcttt ttcttccatg 120

ctatatgtag caaagtcatt gatccaataa tgtttgatga gttggaaaat gaggccacaa 180
 ttatactgtg ccagttggaa atgtattttc cccctgcttt ctttgacatc atgattcact 240
 tgattgtgca tctggtcaga gaaatcaa at gttgtgggcc tttatatcta cggtggatgt 300
 acccggttga gcgatacatg aagatcttaa aagggtatac aaagaatcta tatcgt 356

<210> 9072
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9072

agctnggttg gatggaatgg atcattccta ttcccatgtt tggttaagtc aagagaccca 60
 aggtgttcat caatggcgaa gttcaagaat cttgctttga tctgtttgac cagaaagaag 120
 tgaggttgtc atgattggat aattcatatc tctttggtct acaaaagata agttttgttg 180
 ataaattgtt tcaagtcct tttgaattgg aatggaacca tgtggagggtt acatatgaaa 240
 gtgcgttata tacccttctt aatttctttt ggcatactta tacaacttct ttaattatag 300
 aagccattaa tggctaata ga atttctcaa gtgatgggtg ggcaaagttg cgcattgctt 360
 actangtacc caaacatacc ctatgttata tttgcaattg aggcataat gcacgtaagt 420
 taaatataca ataaatgttt tatgt 445

<210> 9073
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9073

agcttgtgct taatcattgt aatataccca tggtaataa aactatgttt gaactctatg 60
 cagcttgttg tgttggttaag tcacatatcc caaactgtat attctgctcc ccttgagctc 120
 atatacagtg atttgtggga actctctcat gtttcatctt caaatgactt ctcttactat 180
 ataagctttg ttgatgccta ctaggttcac ttggatctat tttcttaaaa ataaatcaga 240
 aacttttctt atttttcagc agttttaa ac catggctgaa cttcaatttg atactaaaat 300
 aaagagtgtt catacagatt gnggagggtt cattttcaaa ctcatggaat tattcataaa 360

ctgatttgcc ctcacacaca ccaacaaaat ggctgtgtgg agagaaaaca caggcatata 420
gttgagttag gtctcaccct actcaaaca g 451

<210> 9074
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9074

agctttcact gacgcatatg tagaacttgt acctgctttg tctgatctga atgttcttgt 60
tgagacctac tttgctgaca tccctgctga ggcgtacaag accctcacat ctctgaatgg 120
cgtcactgca tatggggttg atttgggtccg tggaacccat actcttgatt tgatcaaggg 180
tggaattccc agtggaaaat acctctttgc tggagtgggt gatggaagga acatctgggc 240
caatgacctt gctgcttctc tcaactacatt gcanggtctt gagggcattg tgggcaaagg 300
tattttatta aacatgcatt tcatagcaaa tnttgggaga ctattaccta taatatagct 360
atctgatg 368

<210> 9075
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9075

agcttggttc aaatgcaaac tgcaataaca ttntactcgg atgttcgatt gagtcacgta 60
atacatcgag aactcgaata ttgagaatat atgctctaag caaattcaaa cgacaataag 120
tttttactcg gatgtccgat tgagtcccgt aatatatcga gacactcgaa attgagaata 180
gaagctttga gcaaattcaa acgacaataa cattttactt ggatgcccgga ttgagtcccg 240
taatataatt agacgctcca cattgaaaac ggaagctcgt gacaataatt ttttactcgg 300
atttccgatt gagtcccgtata atatcgcgag acgctcaaaa ttgaaaacgg aagctcgtac 360
taaaagcaaa cgacaataac ttntactcgg aatgtccgat ggagtcccgt tatatatcaa 420
gatgctcgaa a 431

<210> 9076

<211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9076

agcttgaagt agttgtttga caagtggcat caataactta agaggggggt gaattaagtt 60
 tcaaaatttc ccactaacia acttttaacc cccttctaaa tgataggctc aaaatgcaga 120
 agaagaaaca atcaatttaa taatgttctt taaacataca agacaaaatt gattgcaata 180
 acataaatga gataaggga gagagaaatg caaactcgat tatactgggt tggccacttc 240
 ccgtgcctac gtccagtcct caagcaacc acttgagatt ttccacaatc tcggtaaate 300
 ctttacagac tntgaacaca ccttangatc cctcaccctt gagttcaaag atttccaag 360
 agacaaccag tctcttgatt acaattctca caatccaaga gacaaccagt ctcttgatac 420
 aactgacttt ctgagatgaa cagaaag 447

<210> 9077
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9077

agctntgatg gtgtcgagaa gaaatcacat gtttgtcatc atcaaaaagg gggagaatgt 60
 gaatgtatgt atacatgatt ttgatgatgt caaagaagaa tctaacaagg ctacttcaaa 120
 tgataagcat ttgcttcaag aataattcaa gattgcttca acaaacaag ccttgtttca 180
 agattcacta aagaccaagc cttgccttaa acaaagtgc tttcaagaca tgcaaggctc 240
 tggtaatcga ttaccaggaa gtgtaatcga ttaccgaag cagggttgag aaatagctgt 300
 tgaaaaaggg ttttgaattg aattntcaac atgtaatcga ttaccatag tctgtaatcg 360
 attaccagca acgaaacttt ggaaattcaa attcaaaagt cataaccctt caaattataa 420
 ctgtgtaat 429

<210> 9078
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 9078

cttatctccc aaacagttnt gccagctacc aaacgtcctt ttccctgatg acttccctga 60
ataccccaca aagtttcagt tcataagcta ccttgaaagc tatgccaagc acttcagcat 120
agccccacag ttcaatgaaa cagtgcagtc tgcaaagtac gatgagacct ttggcctgtg 180
gaggatcaag accatcagga agatcaagaa attaggagga ctctcttcag gtgggtgtgc 240
tgagtgtgag gttgagtaca tttgcaggtc gcttgtggtc gccaccgggg aaaactcgga 300
gaaagtgggt cctgagtttg aagggttggg agagnttggg ggccatgtta tgcattgctg 360
tgattataaa tctggggaag gttatggtgg ac 392

<210> 9079
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9079

agctntatac aagaatgaat ctctgatact acttgttgga caagtggcct cagatatctt 60
aagaaggggg ggggggtgaa ttaagatatt acacactatt tccccaatta aaattctatt 120
tcactttcta ttcaagttac aaattccctt aataatgaac ttcttaaata ttgattcaaa 180
tagaacaatt tgaatataaa gatgaaacaa taataaataa aggagtttaa gggaagagaa 240
agtgcaaact cagatttata ctggttcggg cacacccttg tgcttacatc cagtccccaa 300
gcaaccgct tgaaagttcc actatcttgt aaaatccttt tacaagttct aaacacacaa 360
ggacaatcct tcctttgtgt tagtattctt tacaacaaga accctcggtc tcttatccct 420
t 421

<210> 9080
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9080

agcttccgtt ttcaatttgt tagcatctat ctataaatng cgacactctg tcgggcatcc 60
gagtaaaaag ttattgttgt ttgaattttc taagagtttc cgttttgtat ttgaagcgtc 120

tcgatatatt acgggactca accggacatc cgtgtataaa gttatggtca ttacaatttg 180
 ctcagagctt gtagtctcaa ttttgagcgt ctcgatatat taccgattt aatcggacat 240
 ccgagtaaaa agttactgtc gtttgaattt gatacctgct tctgttttca atttgagca 300
 tctcgatata ttacgagacc tcttcgaaca tccgagtaaa agttattca tcg 353

<210> 9081
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9081

agcttgtagg gttaaagtct cacgattgtc acgtgctcat gcaacaattg ttagtcgtgg 60
 ctatatgaga catcttgcca aacaaagtca ggttcaccat aactcgctg tgctttttct 120
 tccatgctat atgtagcaaa gtgattgatc cagtaatgtt tgatgagttg gaaaatgagg 180
 ccgcaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
 ttcacttgat tgtgcatctg gtcagagaaa tcaaagtgtg tggctctatt tatctacggg 300
 ggatgtaccc ggttgagcga tacatgaaga tcttaaaagg gtatacaaag aatctatatc 360
 gtccggaagc atctattngt gagaggtaca ttgcagaaga agccattgaa ttttggtcag 420
 aataactta 428

<210> 9082
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9082

atccacttta aacaccaagc acaatttctt tagcctctta tctcctcaa caacctcatt 60
 agcaatcaag actccatgca acaactgtct acccttaaca aatgctgact gtctttcatc 120
 aacaagggtga ttcaatacct tactaagcct attagatagg acttttagcaa taattttgta 180
 gacacaacct atgagggata tgggtctgaa atcacttata tgtcgaggat ccttgagctt 240
 acggataaga gcaatgaatg atgaattgag gcccttagga aaagcagcat tcacatgaaa 300
 ttctgccaaa aaccttaaga actcaagttt cagctcattc cataaatgct taataaatat 360

gaaattaaac ccactctgacc ctgngctttt gtcattgccca caagcccaca ctgcagaaga 420
tatctcctcc tctttaaa 438

<210> 9083
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9083

agcttcaagt tgcttggata gcaacttggt ttggaccaac aaagcgtcct gtgatgaaag 60
ctccaacagg cttcttttgg ttgggatgtg tgctctatct cgcaagattg catggtcact 120
agcagtcata ttctcaatca attccatggc ttcttcaggg gtcttcaatt ttatttttcc 180
ccctgtagaa gcatctaaaa gttgctagga ttgtggcctt aaccctgcaa tgaaaaatag 240
gagctggatt ggttttgaaa atccatgagt aggcgtcttt cttagtaacc cacgaaatct 300
ttccaaagcc tcaactcaagg actcgtctag aaattgatga aaggatgaga tgacagctnt 360
tccttcagca gtcttggact ctgggaagta tntcttcaag aatntttcaa ccacttcac 420
ccaagactta agactattat c 441

<210> 9084
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9084

agcttgtaag ggcttgggtg gaaaatgata gtgagactca acttgatat caaccttgtg 60
ctacaacaat tgcaacaaga ccactatcc acaatgagag aacaattttt gtttaaaacc 120
ttacatcttg tatgaaagat gttctctctt tgagttaggg ttaggttaca agattgactc 180
ccaaggagcc ttctcaccat tagaagatta ccttcttcat aggtgtaaac ctcatata 240
tgctcatcac ccttggcttc acccttactt ccatttgagg agggagaaga agtagcctcc 300
tcttgggtac tatagatgtc ttgactcttc atgatcgtgg ttttcttctg ggggcattga 360
gaagcaatgt ggcctttccc aatacatctg aagcacttga tggtactagt tctatcttgt 420
gaactagcct ttggagtgan ttctctatg 450

<210> 9085
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 9085

cactctaagc accgggacga taactcttta gccttctatc eggctcatct tccgcattcg 60
 tatacaaaac tccgtgcaac aactgtctac ccttaacaca tgctgactgc ctttcattaa 120
 cacgtgattc gctacctgac taagcctatt acataggact ttatcaactc ttaggtagac 180
 acaacctatg agggatatgg gtctgaaatc acttatatga cgaggatcca cgagcttatg 240
 gataagagca ttgaatgatg aattgaggcc cttagaataa gcagcattca catgaaattc 300
 tgccataaac cttacaaact caagtttcag ctcatccat agctgctgac taaatatgaa 360
 agtaaaccga tctgaccctg tgcttttgc attgccaca gccacact 409

<210> 9086
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9086

ggtntttttt caatatatgt ttttatgtca ctaggtcttt gaatgacatt agatgctttg 60
 atgtttgtga tgcaatccta ctccgaagg gcattggata gaagactcca agaagattgg 120
 gccggagatg caagagaagg ccctaggggtt ttcattgagcc ttagggtaga tttcggggccc 180
 atgggctaag tatgagcccg cttatctttg tacatattag attaagggtt cattattttt 240
 gggccttgta ttttagggctc cataatatag gtaagggtacc ttagaaatgt aggatttttc 300
 agcccttgta ttttagggca cctagactag tgtttgtatt aggggtagat ttgtaatttc 360
 acatgcattg agcgaatatt tgatgtgtgt ggctagaaat aaaattaatt gaattgagag 420
 aagtgttga 430

<210> 9087
 <211> 454
 <212> DNA
 <213> Glycine max

<400> 9087

ctttccttga gaggatgttc accatgttgc tcatgttggt gcccttatct ctaacaccta 60
gctcatatca tctaagagtc tattaatagt ggaacttga agccatttta ttttgaaga 120
gttaacagag tggaagtttc acaccttttc tttgtcgatg atattatatt agtggctaaa 180
gcctccacta agcaagcaaa tgagattaaa agagttatga atttgttcta ctctgcttcg 240
ggcacaataa taatttttga taattctagt cttttcatct ctaagaatgt gtataggtaa 300
agggcaggag ccattgctaa taagctaaat gtcccttttg tggacaagtt agaatttat 360
ttgggctatc ccattcttaa taaaaggaaa acaacatcta ttataagctc tctagatgga 420
agtctagaac cttattgcta gctggaacga ttac 454

<210> 9088

<211> 224

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9088

agagcttacg ttggtcaatg ccgagcttct cgatatgcga ttgcgctgaa tcagacatac 60
atgtgataag ctatactact cgaaattgtc aagagcttgc gatgttcaat tttgaacatc 120
tcgatatgtt actcgctga atcgacatt cgtctgacaa catattccaa tagagtttct 180
catatgcttg ccttggatga anggcgccgt cttatatgtt atgt 224

<210> 9089

<211> 444

<212> DNA

<213> Glycine max

<400> 9089

agcttataat atattgatat gctcgaaatt taacattgta agctctcgag aaattcaaatt 60
ggtcataact tttcacacgg atgtccgatt cgggcaaatt acatatcgag acgctcataa 120
ctaaacaacg gaagctatag agaaattcta atgggtcaaaa cttttcacac ggatgtccga 180
ttcaggcgaa ttacatatcg agacgtcaa aattgaacaa cagaagctct cgagaaattc 240
aatgggtcat aacatttaac tcgaatgtcc aatttaggcg catcacatat agtgacactc 300
gaaattgaac aacggaagct ctctgaaat tcaaattggc ataacttttc aactgaggt 360

ccgattcagg cttataatat atcgatatgc tcgaaattaa acatcggaac ctctcgcaaa 420
 atcaaattggc ataactttta cacg 444

<210> 9090
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9090

agctntgcgt gaccgagcac cctaccctgc taatcatggt gttggccatc tcagtgggag 60
 ctttgctttt atagtnttg acaaactctac ttctaccctc tttgtggcat ctgtaagtaa 120
 tcataatcct acctaccaa tgatcatgac caccaccata taagctntca tttatttctc 180
 attttttgca tgtattgttc ttgacaggat caatatggta aggtacctct gtattgggga 240
 ataactgctg atggctacgt agcatttgct gatgatgcag aattgcttaa tgggtgcttg 300
 ggcaagtcac ttgcttcttt ccctcaagggt gggtaactt ctattatggt aatgtgntta 360
 ttatattaca taatatgtgc tgcagggtat gt 392

<210> 9091
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9091

agcttccttc gggagcaagt gttacacccc tccaatagct aagctcacc ctccaaaata 60
 catgaaaata caaaaaaag tccctaccac aaagactact taaaatgtct tgaaatacaa 120
 ggctaaaacc ctatactact agggtagccc taactttagt ggtagggtgc ccttaatttg 180
 taggtacct taaaaactta aaatgaccaa aatacaaggc caaaagaaa gacaatatat 240
 tctaataattt acaaagaaaa gtgggtttat acttagccca tgggcccaca atctacctta 300
 aggctcatga gaacctang gccttctcct acatctctag ctcaatcttc cttaggtctt 360
 ctatccaacg cccttngggg gtaggattgc atcaagttgg acataagcca ccgcatgtgc 420
 tatactgaga ctcaagaaaa tcagttatga t 451

<210> 9092
 <211> 458
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9092

agcttgtaat cgattacaca catattgtaa tcgattacca gagcatatTT tcagaanata 60
 ttctccacag tcacatctTT ttatttggtt cttgaatggc tatcaaaggc ctatatatat 120
 gtgacttgag acacgaattt gccaaagagtt tttcagaaca aaaaggTTTT atcctgttaa 180
 aaagcaaaat cgttttatcc tcttaciaaT tcttggcca aaacacttgt gattcaataa 240
 ggaattattt gagtgtcaa attgttcaat ctatctctTT taagagagat ttcttcttct 300
 cttcttctTT attctgaaaa aggattaaga gaccgagggt ctcttgttgt gaaaggattc 360
 taaacacaaa ggaaggatng tcttgtgtg tttagaactt gtaaaaggaa attacaagat 420
 agtggaactc tcaagcgggt ttcttgnga ctggacgt 458

<210> 9093
 <211> 448
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9093

agctggccag tttaaagatgt tagtagtaat attactntt aagagttcat gttaacaatc 60
 ttgctaaaac gtatctttaT tgatgtgtta ctactaattt ataagtttta tattttatat 120
 agcaatgatt aacacagttg aagttattaa tttgaagtca ataaataatt aatcagcatg 180
 gtaaaataca gaattgatca tgaaggttaa taatatgacg tgtactaatg attgtgtgtc 240
 gaaattttcc atatgatgtg tgctagtgat tgtgtgttg aacttttcat gtgtattaag 300
 ggtctcagtt aataataaac aaaattaatt tcttgataa cagatattgt gaaagttttt 360
 ttaagaagtc tttcttatat atacgaataa gaaagaacct aattaatata tctattaatt 420
 gtgtcagagc tccctaatag tagtagta 448

<210> 9094
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 9094

gctatcctgt gacacttaaa tctccgcttt ttcagtcgtc tgtaagatga ttgagtgtta 60
taaattatgc aagcctactg tatactatctt gtttcccatg ttttagctga tagggcttga 120
gtgtgcttca cagatggggc atgcatgatg acccttaaca ttggaaccgt tgggaaccccc 180
ctatgctgga aactcattca tgggtacaatg aagccttgca cacatttcat acgtctgctt 240
gcgaaacgca tcgaacacta caaccgcgta gtgccacaat tgtcttatat ctgtcgccaa 300
tggaactaga ttaacatcaa tttcatttgc tagctgtctt gagcccgata tcacatata 360
caacatcatg tattttcgct ttatgcac 388

<210> 9095

<211> 343

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9095

agctntgagc aaattgaaat gataataact ttatacacgg atgtccggtt gagtcccgta 60
atacatcgag acgctccaag ttgaaaacgg agactcttaa aaaattcata cgacaatatc 120
tttttactcg gatgcccgcac agatcgctcg aatttatcga gagatgctcc aaattgaaaa 180
cagaagctcg tatcaaattc aaacgacaat aagcttttac tcggatgccc gacagattgt 240
cgtaatatat cgagagatgc tccaaattga aaacagaagc tcgtatcaga taaaacgac 300
aataactctg tactcggatg tctgattgag tcccataata ttt 343

<210> 9096

<211> 316

<212> DNA

<213> Glycine max

<400> 9096

taacaattat gacctctccg acaacagatt caactctgga tggaggaatc accataacct 60
cagatgggac agacccttaa caacagcgac aggagcctgc tcctttcttc caaaacgcga 120
gctggcccaa gcagaccata cattggtaca ccaagtctac atccgcacct accccataaa 180
caggcaacag gtgacgcccc ttcacaacct accctcgaag aagttgagaa gcaaatgact 240

atgctgaaca tgcagtttat gaagagacca gagccttcat tcacagccta accaatcata 300

tgggacaatt ggctat 316

<210> 9097

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9097

ttctntctac tctatatgcc tctaaaatga atgacatgat ttggatgaag tgaatatata 60

tttctttaga gacaaaacat gtgtagtttag tgagaatatg tacctaatta aaaatttata 120

tgaaatataa attgaaggat tgtgcttacc ataatgtgtt acatatgcac atatttggtt 180

gatctacctt gtttatattt ttaattataa catagaatct tctattaatt gttataattg 240

aattgtttgc atgcaatagt tcttctcttt gagttttgtg tgaaatcata tttctagata 300

ttgaattgtg caatgtgcaa atatgtttaa atctatagat gatatatgta tgttgcttta 360

atgatcattg aattacataa atgtaaatat ggttggtgcat cccgtcataa atgagtatgt 420

tataacttttt att 433

<210> 9098

<211> 268

<212> DNA

<213> Glycine max

<400> 9098

tctcgatata ttatgcacat gagatcggac cttcgagtga taagatatgg ccatttgaat 60

attgcgagag cttccgctgc tcaatttcgc gcgtctcgat atattatact cctgaatcgg 120

acctcctagt gaaagggtgca gaccatctga acttctcgag agctcacgtt gctcaatggt 180

gagcgcctag atatatgatg cgcctgactc agagcttcga ggggcacgtg atgaccatcc 240

gaatttcacg ggaggtggga gcgctcaa 268

<210> 9099

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9099

agcttatgtt gcanacattt ataatagacc ttatcagcag gataaccaac aatagcagaa 60
taattatgat ctttcaagca acagatataa tccagggttg agaaatcatc caaatctgag 120
atgggcaagt cctccacaac aacaacagcc tgtccctcct ttccagaatg ctgctgggtcc 180
aagcaagcca tatgttcctc ctctaatacc gcagcagcaa caacatcaat cacaacaaat 240
acaacaagca actaaggctc ctctcaacc ttccttagaa gagttagtga ggaaaatgac 300
catctagaat atgcaatttc agcaagagac aagagcctcc attcaaagtt tgacaaatca 360
gatggggcag atgggtactc agttgaacca agctcagtcc caaaattcta aaaaatggcc 420
ttcacaaact ct 432

<210> 9100

<211> 427

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9100

ngactctacc ggagatactt tcacaaacat gagagtnttg gcattacccc ctagtgaatc 60
actcatcaac atagttagct tgtgatttct gtaaggtagt tgttgaccac cagaagacaa 120
agcactaata acatctccta gtgctgataa tgatttggtg atactttgag cttctttaag 180
ttgactacct gaagagcccg acntgtttac tctntctgag ccagcaagat ccacaaaact 240
taactgtatg acaaatgaca tatccagcat aaaaaagtta aaaaaactgc aatgcctcga 300
ggtcataaaa tacttggtgtt tcacattgcc acaaaatata ggaagaatat ggtatattaa 360
cattcatact gatattcaaa ggtaaaattg aagtaatgta caccaatacc ttttcccttg 420
cagttga 427

<210> 9101

<211> 350

<212> DNA

<213> Glycine max

<400> 9101

tggatttcct tgtagtttga aatctatcgt tcctaagatg gagcccaacc caatcacct 60
cattaagaac tagcttgttt ctctctctat tgccttttagc tgaatacacc tttgtttggg 120

tctctatttg gttcttaact ctctcatgaa acttcttcac aaactctgac ctagattccc 180
 cttctttatg tataaaaagaa gtgtccagtg ggaggggaat gaggtcaaac ggtgttaggg 240
 gattaaacc atagacaacc tcaaaagggg actacatgag gaagatactc atcccaagac 300
 ttatggttgc ctttcagaag agctcttaaa aaagtggata aagacctatt 350

<210> 9102
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9102

tgtgcattca atatcctgat gaggggtgttc catatgttct caagactaga ctaatacatt 60
 tgctgccc aa gtttcatggt cttgcagggt aagaacctta taagcatctt aaggagttcc 120
 atattatttg tttcaccatg aagccccctg atgtccaaga agatcatatc tttttaaaagg 180
 cttttcctca ttctctggag ggagtggaaa aagattggct atactacctt gctctcaggt 240
 ctattttcag ctgggatgac cttaaaaggg tgttcntgga gaaattcttc cctgcatcta 300
 ggaccactgc catcagaaaa gacatttcag gcatcaagaa acttggtgga gaaagcttgt 360
 atgagtact 369

<210> 9103
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 9103

ggaaaacttc acttgttacc atttaaacc ttttctctc atgctaaaga acctttagat 60
 ttgattcata gtgatgtatg ggggtccagcc ccaatcttgt ctccatctaa tttcaagtac 120
 tacgttcaact ttattgatga tttcagcaga ttcacttgga tttttccctt gaaacaaaaa 180
 tcagaaacaa taacggcttt tattcaattc aaaaacatgg ttgaaaatca gttcaacagg 240
 aaaataaaag ttcttcaatg tgatgggtgga ggtgagtata aacctgtcca gaaaatagcc 300
 atagagtcag gaatccaatt tagaatgtct tgcccatata cctcccaaca gaatggtaga 360
 gcagaaagaa aacatagaca tgtagctgaa ctaggggtca cactactagc acaggcaaaa 420

<210> 9104
 <211> 406
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9104

ntntattttc agtagatgga gatgaatcta tggtcacctc atggaatcct ctaagaacaa 60
 tagcatcatt tcttgcaacta aattgttggg agttggaagc catcttctca atcaaattcc 120
 tagcttcagc aggggtcata tcaccaagag atccaccact ggcagcatca atcatactcc 180
 tctccatgtt gctaagtccc tcatagaaat attaaagaag gagttgctcg gaaatctggt 240
 ggtgagggca gcttgcacac aatttgttga atctttccca gtactcatatc aagctttctc 300
 cactaagttg cctgatgcct gaaatgtctt ttctgatggc tgtggtccta gatgcagggga 360
 aaaatttctc caagaacacc ctattaaggt catctcagtt gaaaaat 406

<210> 9105
 <211> 280
 <212> DNA
 <213> Glycine max

 <400> 9105

tcctctccaa aaacactacc ctcgagaaaa tcctatttga tccatgatcg cgcgtgcaat 60
 cttttggttt gataggaaat catgtgcaaa ataaagtcag ggtacaacta tggtttggaa 120
 ttggggtaaa acacttacct gtgtgagttt ttatacacca tgagtgattt tattcccaat 180
 ttcgatttga cccgacgttt cccctgaatg ttcatTTaaa agctaaacgt tgacatccta 240
 cctttcattt tcggttaciaa ggaaaactat ttttggcata 280

<210> 9106
 <211> 455
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9106

agctngccct ttcatTTaat ttagactaac caataataaa ttgtttttgt ctccatcttt 60

ttttcgttnt tgcattaaca ttggttatcc tccgcctaac attgttgcac tacccaaacc 120
cacatgtaag caccattaat ctgcctcttc aatgctccac accaccaaaa acatgacaac 180
atcactactc ctttaccata cgaccaatac ctataaacct agatctgaca cccaaaactc 240
aacacattcc tccaaccacc ctcaccaaaa accccattgg cacacaaacc accatcacct 300
tagcatcgtg acacaccacc attatagccc tgccaaccca tgattcacca taaccganaa 360
ctaccaccac caccatctcc ttctaaatca ttaacctcga ttcanaacat gtttcgatta 420
cccacanagc acggtttctag aagcanacca taacg 455

<210> 9107
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9107

ttcttgagag gcttctttga gaagctaaca ctntaactac taacaccctn ttaataacta 60
aactcacatc cttgaaaata attacggata aaataacata acaaataata tcaaacatca 120
aacataatta ctaataatat atagatatat atcaagggtg tacaactctc ccaccctttn 180
tgaaatttcg tcctcaaaat ttacctgact caaacaagga tggatgagct tctcgtatct 240
gactctctaa tttccacgtg gcactctctc ctgatgcacc tcccagatc accttgacca 300
acagaatctt tttccctctt aggtgttttg ttcacctatc ctcaatcctc aaaggcaatg 360
tttcatatgt caaattctcc ttcacttgta catcatccaa ttcaatcaca tgggatggat 420
cacggat 427

<210> 9108
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9108

agctgttaat gcattatagt atagttttct catatattag aaatattaaa tatctaattt 60
catatttgtc ggttaattga tcgactaatt ttattataat taaacactct caattaattt 120
ataagttttc agttagcttt caactnttca atagtttata aatttttaac tatcttataa 180

<210> 9111
 <211> 433
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9111

tccatcatca cgataccgtg ttctattggt gaggttgatg taggcaaagc tcttagactt 60
 gggagctagt atcaatttaa tgcctctctc catgtgctgg cgactttgag agatagagat 120
 aatgcccaca cgcataccccc tccagtttagc tgaccgctcc atcacaaggc catatggagt 180
 cattgaagat gtttttggtga aggttaaacc ccttatattt ccagatgatt tcattgtcat 240
 agatatagaa gaagatgctg acattcctct cattcttggc tgcccattca tgtctactgc 300
 aagttgctg gtagacatgg ggaagaagat gctgcagatg ggcataaaag accagaagat 360
 cagctntgat ttgttccatg aggacaaaga cccacctagc caaaatgtct gtcttaaagt 420
 gcatgtgatg gag 433

<210> 9112
 <211> 404
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9112

ttgtccgcaa aagttactta aaaccgtttt gaggtccaac gccttanacg gttctctntg 60
 cttttatcgg ttaacatgga ccgttcaaaa gcataaaatc aacacataac tttactgctt 120
 ttgcaaaaac tacttaagtt tgatttcctc atcgcaattg aggatacgta ggagcaaaaag 180
 ccccgctttt gtcgaccacc ccaagagatc gttaatgggc caatgcctta acgtttctct 240
 cttttcaaaa accaagagat cgtttatggt ccaatagctt aatgtttctc tccttttcaa 300
 aaccaagaga tcgtttatgg tccaatagct taatgtttct ctcttttcaa aaccaagaga 360
 tcgttaatgg tccaacgcct taatgtttct ctcttttcaa aaaa 404

<210> 9113
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 9113

tgcaatcatt tgggtataaaa ttcacccagt cttgtggctc tacacaaggg tgtctgcaac 60
cttctaaaat agtatctect tcatectatt aaaatcaaaa tgacaatggt aaatgctatt 120
cggaaaaaga tccctccaac caaaacaagg gataaacaga gaacgaaggt aaatgcgaga 180
agaaaagaat gtagtaattg tgaaaacaac aaattaagta ccaatgaagt gatgtcacgc 240
cttgtgtagg gagtatgaca actagaagcc aaatcagcaa atctcaacta tagattccta 300
tccatgtaca ttctttaaca taaattcatg gatagtggcg ttctactaaa tgttgtcatg 360
acaagagtat attcattaga catcaaatg gacgttatag t 401

<210> 9114

<211> 473

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9114

agcttgtcag tttattccca aaaacctgcc tagtcgaaga atatggcttt caattgaatg 60
acaatagtct ctaaataaat tcattggcgt atcagttcac tcacttgaat tacaacatga 120
tagatactta actgataaat aatatatatg tgatatgagt aattaattaa aactatatat 180
atataggaca aagatatatt attgattaaa tttttaaaaa acaaaatatt gttagtgatt 240
atTTTTTTTaa atgaatatat gtaacataat tagaattgac agtaaaactgt atggtaaaaa 300
acacagttat aatattaaga aaaaaattta atcaaattct ctattntaaa tataactatg 360
cttattataa taaaatatta aaataacata attgtatgtg gatgtcctaa tacaactgtc 420
actaatcctt tntaaaagaa actttatact cannattgat aaagtttatc aat 473

<210> 9115

<211> 309

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9115

tgtaatcgat tacacaaata ctgtaatcga ttaccagatg agtttttcag aaaatattct 60
caacagtcac atctttttat ttggttcttg aatggctatc anaggcctat atatatgtga 120

cttgagacac ngaatttaca agagtttttc agaacaaaaa ggtcttatcc tcttaaaaaag 180
 aaaaatcggtt ttatcctctt aaaaattcct tggccaaaac acttgtgatt caataaggaa 240
 ttatttgagt gttcaaattg ttcaatctat ctctttcaag agagattact tcttttcttc 300
 ttctttatt 309

<210> 9116
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9116

tcaagcttgc cgttgaacac agttgagatc cgtttggatc accgggcagt gcaactcgcat 60
 tgggtacaacc ttgagaggtt tggctttggt gtgttggagg gtgacaagag gaatgagaca 120
 aaattctcaa gtaggattca cctaaggggtg tgtcttgagg gtgcttatca tgtgcttgat 180
 gagtcacaa tgtatattag tgacacaagg cctactgcta gacaactttg gaaacaacca 240
 attgggatcc ttgaagtggg gatattgagt gcccaagggc tccaatctat gaagaaaaac 300
 aatgctaaag ggtcaacaga tgcttattgt gtggccaagt atggtcagaa atgggtgaga 360
 actangacta tcaactgagaa gcttaatcca aaatggaatg agcaatatac atgggaagtg 420
 tatgatcctt g 431

<210> 9117
 <211> 408
 <212> DNA
 <213> Glycine max
 <400> 9117

tagactaagt tcattctacc attctcagat tgatggccaa actgaatgga ccattttgtc 60
 gctggaggac cctttgaggg tgtgtgtctt agagcaaaaag gggagttgga gagttttctt 120
 ctattgctag agttcactta taataatagt tttcaatcta ccattgacat gactccctat 180
 gaagctttgt atgatagaag gtgtaggaca cccctatggt ggttggagcc cggagaagac 240
 ctcaccttag gacttgaagt tgtacaacaa accaccgaga aggtaaagtt gatccaagaa 300
 aggatgagga gtgctcagag taggcataaa agttatcagg ataaaaggag aaaatgatgc 360
 aatcctaccc ccaaggggtat tggatagaag actccaagaa gattggac 408

<210> 9118
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9118

agctnnggttag ctngagaatg ngccacacag atactcctac caagagctca agaaaacaac 60
 aaaagggttc aaggacaaag agctacttgg acaagggtgg attggtagtg tttacaaagg 120
 aacattgccca aattccaata cccaagttgc tgttaaaaag aatttcacat gactccaaac 180
 aaggccttag gaaanttgtg tcagaaatag ccagcatagg cccgcttcac cactggaatt 240
 tggttcgggtt gcttgggtgg tgtctccgcc gtggtgacct cctccttgtg tatgatttca 300
 tggaaaatgg gagcttagat aagcaettgt ttgatgagcc agaaacaatc ttaagttggg 360
 agcaaagggtt taaggtcac aaggatgttg cttcagccct tttgtatctt cacgaggggt 420
 atgagccggt ggtgatacat agagatgtga aggctaacaa tgtgcttcta gatg 474

<210> 9119
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9119

agcaagaata tcagaatact catgtcaata cttgataaac ttgctcaacg tctttaaagt 60
 catcacttta ataaccggat catcactcac aacatattca tgcagaaaac attcaatttc 120
 ccatacttgc ataaagtagc gattagatgt tggataagat aagcccaaaa tcaaattagt 180
 catgacataa aaggggcttc aaaaactcac attntttcag cctttccatt tatcatttga 240
 tggacattga acatagtttc tatcacaaat agccaaacaa ccaaagcac attggtactt 300
 aattgcactt tcaagcataa cataggtgga attccattaa gtggctacat ccattctcaa 360
 acccacctta gtaccaatac cactcacttg aagaacacac tctntgaatg caatctttct 420
 tgctccaat ggctttcaca tatttatact atttcttata 460

<210> 9120
 <211> 429

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9120

atgaatattn tattnttttt tatgataata ctaattntag ttntacttnc ttataaattt 60
 taattnttct ttgtgtttct tcaatatatt aatatatcag agttgaaaat ttaatcaata 120
 tgaatctatg attataaaac tttaggaaaa ttaattaaag ggggtgacatt ttgtaataac 180
 atatcatatt tttttatttg taggaatcaa agacaatgtc aaggggttta caacaactta 240
 cacaccctta gtcaaccaac tgagctagac ccccttggca catgtcacat tntaatttga 300
 ataaaaaatg agacataaaa caaatagaac ttcaatttat ttataaana atatattaca 360
 aaactntaat tntttttaat aattntgggc cttnttagt tgtgggcca atactatcgc 420
 acctctgga 429

<210> 9121
 <211> 410
 <212> DNA
 <213> Glycine max
 <400> 9121

taacaaaagg catgcgaagt ggggtggaatt cctagagcaa ttcccttatg ttatcaaaca 60
 taaaaaggga aaaggtaata ttgtagccga tgctctttct cagcgtcatg cattactttc 120
 tatgcttgaa acaaaattga ttggctctga atgtttgaaa agaattgatg aaaatgatga 180
 aacatttga gaaattttta aaaattgtga aaatgtttca gaaaatgggt tctttagaca 240
 tgaaggcttt cttttcaaag aaaacaaatt gtgtgtacct aaatgttcta ctagaaattt 300
 gcttgtttgt gaagcacatg aaggagggtt aatggggcat tatgggggtcc aaaagactct 360
 agagacatta gaagaacatt cttattggcc tcatatgaaa aaagatgtgc 410

<210> 9122
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9122

agctntcaat gttcttaagc aaaagctaac taatgcccc atacttgcgt tgccaaactt 60

tcaaaaatct tttgaaattg agtgtgatgc ttcaaagtgt gggattgggg ctgtgttgat 120
gcaagaaggt catccaattg cttatttttag tgaaaagtta agtggtccta cccttaacta 180
ttcaacttat gataaggatt tgtatgcctt agtacgggct ttgaaaacgt ggcaacacta 240
cctttatccc aaggaattta tcattcttag tgaccatgag tccctcaa ataatcaagg 300
gcaaggcaag cttaacaaaa ggcattgcgag tgggtggaat tccatagagca attcccttat 360
gttatcaaac a 371

<210> 9123
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9123

tctgggtggga catcttgact tgctttccaa tctgacattc accacagatt ctgccttctt 60
ctattttcag atnggggatg cctntaacag cacctttgtc aatgattttc ttcattgcctc 120
ttaagtgcag atgtccaaat ctttgatgcc atattctgac ttcattcttct ttggaggata 180
gacatgtgga ggagtagctg gtttcttggg gtgtccatag gtaacaattg tcctttgatc 240
tgctgccctt cattagaact tcactcttct catttgtcac caagcattct gactttgtga 300
agtttacatt gaacccttca tcacacagct gactgatgct gatcaagttt gcagtcagtc 360
ccttcaccag cagtactttg ttcagactan gaagtccatc atga 404

<210> 9124
<211> 429
<212> DNA
<213> Glycine max

<400> 9124

agcttcacct tcctctcagg ttcaagcttg ttttcaacct caaagttctt ctccaaagcc 60
ttcacttgat ccacacttag acgacgcttc ttctcagatt gataccccgg ttcttcaaca 120
cacccttcct cgtcgagtcc gtccaacatc gattggaact ccctaccata catgtgttgg 180
ctgttcctcg gactatgttc ctctaaacca atacaaatca gacataatcg ttagtataaa 240
taaccaacct aaaacatgga tcttggatct gtgtctgaat ttaaaaaaac aaagcaaac 300

aaaaatcaat attatagaag tgtgatttaa ttaattaatt aagcacctgt tgatggacaa 360
attgtcatga gggcactgga agaactctgag ctgctaagtc tcttcatgag tgggaaagat 420
gtgatctta 429

<210> 9125
<211> 440
<212> DNA
<213> Glycine max
<400> 9125

agcttgtcaa cttatatatc agtgaagtga ttaatttaca taggataccc actagtagac 60
actcgtttta cttctagatt ttgggtaagc ttgcaagaag ccctaggtaa aaagttgaag 120
cttagttcag cttatcacc tcaaacagat ggtcaaactg agagaaccat tcagtcttta 180
taagacctta tgagagcttg tgtaatagga caaaagggtt tttgggatga gtatttacct 240
ctagtggagt ttaccacaaa caatactttt catgctagta tacatatggc tccatttgaa 300
gccttatatg ggaggaagtg tagaacacca ttatgttggg atgagactgg tgagtctctt 360
ttgatagtgt tgagtttggg tgcaccaag tcacattgga ctgtacaaa caaagttaaa 420
tcctgaggtt ttgatgtaac 440

<210> 9126
<211> 418
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9126

taagaaacag ttagaggagc tcttagggaa acaatttatg aggcctagtg catcacctg 60
nggagcgaca gtgttgtag ttaagatggg accatgaggc tatgtgtaga ctattatcag 120
ctgaacaagg tgacgattaa taataggtac cctttgccta tgatagatga catgatggac 180
caaatagtgg gggcttgtgt gttcagtaag atagatctca ggtcaggtac caccatatta 240
gagtgaagtc taaggatatt ccgaagactt cctttaggac ccattacgac cattatgagt 300
acttggttat gccttttggg gtgaccaaca cccatggtgt gttcctggac tagttgaata 360
ggatctttca tccctaccta gatagttntc tagtgggtctt catagatgat accttggg 418

<210> 9127
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9127

agcntttgac atgactgggc tangaaagat gagattcttt cttggcattg aagttttgaa 60
 gaaatcataa cggattctct tgtgtcaaag aaaatatgcc actgatatct ggaagaagtt 120
 tgcaatgtct aagagcatac ttgtgaaaag tccaattggt tcaggcttta aaattattaa 180
 agatgctgat ggcgcagctg tggatgacac ttatttcaag caaattgggt gaagtttaat 240
 gtatcttaca gctacaaggt cagatataat gtatagtgtg agcttaatta gcagatatat 300
 gccaaaacca acatagttgc atttacaagc tgctaaaaga atataatgta tttaaaggaa 360
 ctc 363

<210> 9128
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9128

atactaagct tatggatttc tcataagctt aatatcagaa agggacccaa tattcatgag 60
 tcaattctag cactgagctt tcaagttgta tgggactaag ctgcgtatga gcactgctta 120
 ccatcctcaa agtgatggac aaactaaagt gcttgattga gttttggaac aatatttggt 180
 ggtgttagtg catcataagc catcctaag ggataagttt ttgtatcttg ctgaatgggt 240
 ctacaacccc actactcatt tagccactaa tttaacctcg tatgaaattg tttatggtaa 300
 gcctcctcct agtatttcca attatcaagc tggaaccttt gccgtggaag caattgaatt 360
 ttttctgact ttgcgccaag aaacctttca cctacttagg aagaagcttg aaaaggccta 420
 ngaacatatg anaaagaatg 440

<210> 9129
 <211> 480
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9129

agcttatacg gcctaggatg tggttntgtg actaaattca atttaaacac aagtcttgca 60
cttgccacat tgggtacaact ccctccatca atgatcacca tgcaaacttt gtcattgatc 120
aaacatctag tgtggaaatt tttttctctt tgactntcct ccatagactt caattgatgg 180
ccaagtaacc gtctaatacat caacaattct ccctccagtg ttttctccac ttcctcttca 240
tcatectcac tctcttctcc cttttcaact tcggactcac taatatactc tccatctcta 300
agaatcatgg ctttcttggt agggcactca tatgcataat gtcccaagcc ttggtgtaac 360
atccccat ttcgtatata aaattntaga gaataatgat gttttataat taaataaata 420
aagaacaata gttataataa aataatggtt tgagagaaaa taagaagagt attttattat 480

<210> 9130

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9130

agcttcaaca tcagaccact tccaggggtgc tggaactact tcgcatggac ttgatggngc 60
ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggtgtg gatgatttct 120
ccagatttac ctngtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatt aggagtgacc 240
atggcagaga gtttgaaaac agcaagttta ctgaattctg cacatctgaa ggcatactc 300
atgagttctc tgcagccatc acaccacaac aaaatggcat agttgaaagg aaaaacagga 360
ctttgcaaga agctgctagg gtcattgctc atgcaaaga acttccctat aatntctggg 420
ctgaagccat gaacacagca tgctatatcc acaacagagt cacacttaga ag 472

<210> 9131

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9131

ntgagcaaat tcaaacgaag ataactntat attcgatgt gcgattgagt cccggaatat 60

atcgagagggc tccaaattga aaacggaagc tcatatcaaa ttcaaaggac aataactntt 120
 tactcggatg tccaatagag tcccgtata tatcgaaaca ctccagattg aaaatggaag 180
 ctcgatatcaa attcaaacga caataacttt ttactcagat ctccaataga gtcccgtaat 240
 atatcacgac gctccaaatt gaaattggaa gctcgatatca aattcaaacg acatttactt 300
 ttaacttga tgtccgattg agtcccgtaa tatatcgaga cgctccaaat tgaaagcaga 360
 agctctaagc atattcaaac aacaataact tnttattcgg at 402

<210> 9132
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9132

agctntgagc caattcaaac gacaataact nntactcgg atgtctgatt gagtcccgta 60
 atatatcgag accctcgaaa ttgactgttg aagctctgag ccatatcgag aactcgaaa 120
 ttgaatgttg aagctctaag ccaattcaaa cgacaataac tattttctcg gatgtcctat 180
 tgagtcccgat aatatatcca gacgctcgaa attgaatgtt gaagctctga cccaattcaa 240
 acgacaataa ctttttactc ggatgtctga ttgagtcctt taatataacg agacgctcga 300
 aattgaatgt cgaagctctg agccaattca gacgacaata actttttact cggaatgtttg 360
 attgagtcct gtaatatatc tagaccctcg aaattgaatg ttgaacctct g 411

<210> 9133
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 9133

tcaagaatta tggcctcatc aaactacttg tttcccgagg gaaattctat aaatagacct 60
 cccatcttta atggagtggg ttaccactat tggaaaaatt ggaaaaccg catgcaaata 120
 tttatagagg caatagattt aaatatttgg gaagccatag aacaaggacc ttatgttccc 180
 tctatagtgg ccggttgtgc aacaatagaa aaacctagag cagattggat tgaggaagaa 240
 agaagattag tacaatataa tttaaaggcc ataaatatta ttacatctgc ctaggaata 300
 gatgaatact ttagggtttc aaattgtaa agtgctaagg atatgtggga taccctacaa 360

gtaacacatg aaggcacaac aaatgttaaa agatctacga taaacacatt aactcgtgaa 420
ta 422

<210> 9134
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9134

tctaaactnt gtacaagaat gaagctctga taccacttgt tagacaagtg gcctcagata 60
tcttaagaag ggggggggttg aattaagata ttccaaactg tttcccctaa ttaaaaatct 120
atttcacttt ttactcaagt tatgaattcc cttaatgaca atcttcttaa atattaattc 180
aaacgaagca acttgaatat gaatttaaag ccataataaa taaaggagat taacggaaga 240
gaaaatgcac actcagtttt atactggtgc ggccacacc ttgtgcctac ttcagttccc 300
agcaaccgcg tgagagtcca ctatcttgta aattctttac aagtctaaca 350

<210> 9135
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9135

agcttctcga tatattatgc acatgaatcg gacctccgag tgacaagtta tggccatttg 60
aattnttcga gagcttccgc tgctcaattt cgagcgtctc gatatattat actcctgaat 120
cggacctccg agtgaaaagt taagaccatt tgaatttctc gagagcttcc gttggtcaat 180
tttgagcgtc tcgatatatt atgcgcctga gtcggacctc cgagtggcaa gttatgaaca 240
tatgaatttc tcgagagctt ccgttgctca atttcgagcg tgtagatata ttatactcct 300
gaatcggacc tccgagtga aagttatgac catttgaatc tctctagagc ttgcgttggt 360
caatttcgag cg 372

<210> 9136
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9136

tggtaaccta ttggaggctc ccaacacact tccaatgaaa gacctttttg ttacaaaact 60
tgaacgcaat gaaggtaagt aaattgccaa ttacaaaatt acaaaacggt cctcaatttt 120
ggtggttgtt ctctcttttg tgatttactc aatttgaggt gattcttagt ccaatagctc 180
ttaagttggt tggccccctg cttcttgact caaatcctc aagggatggc accaatcctc 240
ctttctaatt ccctatatgg caactcacia acaaggagac aaagagacaa gcaataacca 300
aagacaaaaa aaaatgaaat gaaagctaaa ccaatagagt tttaacaaga caaattttca 360
aggattattc aacaattaaa gcaatgaaaa gcacataana gcaagctagg actcaaaga 419

<210> 9137
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9137

gcctgatgcc tgatatgttt tttctgatgg cagtggctct agatgcaggg aagaatttct 60
ccaagaacac cctcttaagg tcatcccagc tgaaaatgga cctgngagca aggtagtaca 120
accaatcttt tgctactccc tccagagaat gagggaaaagc ctttagaaag atatgatctt 180
cctggacatc aaggggcttc gtggtggaac aaacaatata gaactcctta agatgtttat 240
aaggatcttc acctacaaga ccatgaaact tgggcagcaa atgtattagt ccagtcttgt 300
taacatatgg aacaccctca tcaggatatt gaatgcacia gctttcataa gtgaaatcag 360
gtgcagccat ctccctaaga gtcctctcac gaggtggagg ttgagccatg ttctcagcaa 420
aatcagaata ttcagaatcg cccctcaaca 450

<210> 9138
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9138

agctngaagg caaactggat gcattggtta acttggtaac ccagctggcc ttgaatcaga 60

aatctgtacc tgtcgcaagg gtttgtgggt tgtgctctc tgctgaccac catacagacc 120
 tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180
 tttaacaatag acctcctcaa cctcagcagc aaaatcaacc acggtagagc aattatgacc 240
 tctccagcaa cagatacaac cctggatgga ggaatcacc taacctcaga tgggccagcc 300
 ctcagcaaca acagcagcag cctgctcctt ccttccaaaa tgctactggc ccaagcagac 360
 catacattcc tncaccaatc caacaacagc aacaacctca gaaac 405

<210> 9139
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9139

tgtcagttgt gtcattgtga ttttttttaa agctatacac tagtgaaata gtgatgactg 60
 atgagtcata atattctgtg atacaaatgt atataagtgc atatacaata tgcatatcat 120
 aacttaaaga aaaaaataat atacatacat atatgtttta gaactaatat cacatttaca 180
 ctttatttgg gctgattatt agtntatatt attttttaaa taaaactagt ttttagtttc 240
 taatttgagg attttttatt tctggtttta aaagtttaat gtcaatctta caattttctt 300
 aaaaaagata aaaaaaaaaac atgtagggct ctttacatga agttgtgata aaaggatcca 360
 gagcaagagt ataataaaat agaataaaa atatttttagt ggcttttgtg agttaaaactc 420
 atattgg 427

<210> 9140
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9140

agcttgtctg caataccata gggttattag ttntaaaagc attctctgtt taagaaaaga 60
 taagaagggt gattcaattg ttcatgcctt gggtactgaa taacttccgt tgtgcttagc 120
 aattcttttg tgggtggcatc ccatgctcta atgtcacaac ccaatcataa aggagcctac 180
 atatatgtat ataccaaaaa aaatgtactt agtatgcana atatnatttt cctcaagcaa 240

ttctttatat ggaaatgtct aagcaacatg tgttaannat tttggtacaa gttaccttag 300
 ctaatgccca tatgctgaaa tgagcgcgat atttctctng tgtcatgcct ccatttccaa 360
 cttctagcat gt 372

<210> 9141
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 9141

tattgggcat taaagttttt gaacttcgat tcaaagcat ctagtgaaca caggaagctc 60
 caactccatg aattggagga attgtgggtt caagcttatg agaattccaa gctttataag 120
 caaagagtaa aaatttatca tgacaaaaag ttgtcaaaaa gaaattttca gcttgggtcaa 180
 cacgtattgt tatttaatta tagattaaga ttgtttccag gtaatctgaa atccaagtgg 240
 ttcggaccat tcatcatcaa agaagttatg ccacatggag cagtga 286

<210> 9142
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 9142

tggaatattt caagcaagag tttggagtgc acattgaagt tacaaagatg tggagagcca 60
 tgaaagaagc aaagcaatta gtggaaggga atgagaggaa acaatatgcc aaagtatttg 120
 attatgcaca tgaattgttg aggagcaatc ctggatcaac agttaagatc aacacagtgc 180
 caagtccaga aggtccacca caatttcaga ggctatatat ttgtcttgct ggctgtaaga 240
 aggggtttgt tgctggatgt agaccattca taggtctaga tggatgtttc ctaaagagtg 300
 catttggagg aaacttgctc tctgctgttg ggcttgatgg caataaccac atctatgtta 360
 ttgcttatgc tgttgtggac a 381

<210> 9143
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9143

agctngaagg caaactggat gcgttgggtca acttggttaac ccagctggcc ttgaatcaga 60
aatctgtacc tgctgcaagg gtttgtggtt tgtgtctctc tgctgaccac catacagacc 120
tttgccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180
tttacaatag acctcctcaa cctcagcagc aaaatcaacc atcgcagagc aattatgacc 240
tttccagcaa tagatacaac cctggatggt ggaatcacc taacctcaga tgggtccagcc 300
ctcagcaaca acaacagcag cctgcttctt cctttcgaaa tgctgctggc ccaagcagac 360
catacattnc ctcacnncat ccacaacagc aacaacc 397

<210> 9144
<211> 293
<212> DNA
<213> Glycine max..
<223> unsure at all n locations
<400> 9144

tctatagaag gttcgttcct aatttctcta caattgcatc tcctctcaat gagctgggtga 60
aaaagaacgt ggcatttacc tggggtgaga aacaagagca agcctctgct ttgctcttag 120
aaaagcttac ctaagcacct gttctagctc ttctgactt ttctaaaacc tttgagctag 180
aatgtgatgc ctctggagtg ggaggtggag ctgtattgnt acaaggtggg caccctattg 240
cttatttttag tgaaaaactt catagtgcc aacctcaacta cccacctat gat 293

<210> 9145
<211> 435
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9145

agcttgtaat cgattacaca catactgtaa tcgattacca gaggagattt tcagaanata 60
ttctcaacaa caacatcttt tcatttggtt cttgaatggc catcaaaggc ctatatatat 120
ctgacatgag acacgaattt gctaagagtt tttcagaaca acaagtattt attctctcaa 180
aaagaaaaat cgttttatcc tcttaagaat tccttgtcca attcaattgc aattgattaa 240
ggaatcattt gagtgctcat attgtaaaat ctatctcttt caagagagat tcattcttct 300
tctctttcta attcactaag ggattaagag accgaggggc tcttgttgta aaagaattct 360

aaacacanag gaaggattgt ccttgtgtgt ttagaacttg taaaagggat ttacaagata 420
gtggaactct caagc 435

<210> 9146
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9146

tcttagtctc agatgatgca gctaagtttg tagctatctc atgcactcct ctaatgacta 60
tggcatcatt tctggcgcta aactgctgag agttggaagc catcttctca attaaatttc 120
tagcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
tctccatatt actgagtcct tcataaaaat attggagaag aagttgctct gaaatctgat 240
ggtgagggca actcgcgcat agttttttaa atcgctccca gtactcatac agactctctc 300
cactaagttg tctaatacct gagatatacct tcttgatgac tgtggtcttg gaagcagggga 360
aaatnttttc taagaatact ctcttaaggt catcccagct tgtgatggac cttggagcaa 420
ggtaataca 429

<210> 9147
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9147

agcttagcca ataaatgata ttctccaaag taaagtagta atagggattt aacaagtgat 60
atattaccca attcttcata accaagttac taatgttgga ttaaaataaa tgcttgaaca 120
ttggctagaa agaagacgag aatgatactt ggtaagcaca cgaccaccaa tgctaaatgc 180
agactcatta atgatagttg gtattggaat gcttaacaca tcacatgcca acctacaaag 240
atatggatag cagtcttggc ggctcttcca atagctcana acatc 285

<210> 9148
<211> 370
<212> DNA
<213> Glycine max

<400> 9148

agctttgagc aaatttatac gacaatatct ttctagtcgg atgtcttatt gagtcctgta 60
atatatagag acgctcaaaa ttgaatgacg aagctatgag caaattccaa cgacaataac 120
tttttactcg gacgtctgat tgagtcccg taaatatcga gacactcgta attgaatatt 180
gaagctctga gccaaattcca acgacaataa ctttttactc ggatgtctaa ttgagtcccg 240
taatatatcg agacgctcga aagtgaatgt tgaagctttg agccaattca aacaacaata 300
acgttttact cggatgtctg attgagtcct gttatatatc gagacgctcg agattgatgt 360
tgaagctctg 370

<210> 9149

<211> 293

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9149

tctagtctca attntgaacg tctcgatata ttaccctatt caatcggaca tccaagtaaa 60
aagttattgt cgtttgaatt tcctacgagc ttccgttttc aatttggagc gtctcgatat 120
attacaggac tcaaccggac atccgtgtat aaagttattg tcaattcaat tttctcagag 180
cttcggatct aaatatggag cgtctcgata tattacggga ctcaatcaga catccaagtt 240
aaaagttatt gtcgtttgaa tatgatacga gtttcnatt ctaatttga gcc 293

<210> 9150

<211> 403

<212> DNA

<213> Glycine max

<400> 9150

tttgaagga tcaagaagtg ccttatgaat cctcccggtc ttatgccacc agtacctgaa 60
aggcctctca ttttgtacat gacaatcttg gacgagtcaa tgggggtgtat ggtggggcaa 120
catgacgaat ccgggaagaa agagcgcgtt gtttactacc taagtaagaa gttcacgacc 180
tgtgaaatga attactcctt gctctaaaga acgtgttggt ctttatgatg ggcacccat 240
cgctaatagc agtgcagct gagccatact acctggttga tatccaagat ggaccgggtt 300

aagttcatct ctgaaaagcc agctctcacg ggacgaatcg ccctgtggca agacctgcta 360
tccgagtgtg atatagttta cgtcatccaa aatgcgatat aat 403

<210> 9151
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9151

agcttcttaa ntcttatgat nnngagttac ctcgtgcact cttctaataga ctatagcatc 60
atcttctggtg ctaaattggtt gggagttgga agccatcttc tcaattaaat tcttggcttc 120
agaaggggtc atgtctccaa gggctccacc attggcagca tctatcatac ttctctccat 180
gttactgagt ccttcataaa aatattggag aagaagctgc tcagaaatct agtggtgagg 240
gcaactcgcg cgtaattttt taaatctctc ccagtattca tataggctct ctccactgag 300
ttgcctgatg cctaaaatat cctttctgat ggtcgtggtc ctgcaagcag ggaaattttt 360

<210> 9152
<211> 425
<212> DNA
<213> Glycine max

<400> 9152

cgaagggtgc gaaatcctac ccctccaaat tgttttttta ttgataattt ctcccaattg 60
aaccaatgga ttccattctc ttgattgttg ttgctttccc accaattatt ttcttttagtt 120
cctcttgaag tgtagaagaa agaagaaaaa caccatgca atatgatgat atagactgtg 180
ctagtgactt taaaaaaatt tctttacctg ctttagagat gaacttcctt gaggaaccca 240
aagatagctc ttttccttct ccctatgacc gatggtagcc ccagatattt tcctattcca 300
atggttggtg tcaactctta aaaggatgag atgaattgcc tattgttttg agatgtattg 360
gagctgaata gaatttttga ttcttagaaa ttaattaatt gtccaaatgt catctcttac 420
atgtc 425

<210> 9153
<211> 272
<212> DNA
<213> Glycine max

<400> 9153

aatctaagct gatctttagt gtgtatctgt atcttttttc cttttgaact attcagtttg 60
aatgcgaact ttaattatct ttaattcgt tcctaaagat tgatcgccaa atctgttgct 120
aactgcacaa taatctgttc aagatataac agatttatgt gttcagtttt tccggcacga 180
tgtcctggac attgtttccg acatccggga tctgcataa tctgttaaag atataacaga 240
tgtatgtgtc cagtattgtc gggcaggatg tc 272

<210> 9154

<211> 336

<212> DNA

<213> Glycine max

<400> 9154

agcttgaaga cttgtacatc accaaatctc tggtaaattg tctctacctt atgcaagcat 60
gtattcattt aagatgcaag aaaataaaac ggtagaagaa tagttagatg tctttaataa 120
atcgattctt gatcttgaaa acattgatgt tactattgag gatgaagatc acgcattagt 180
gttattgtgt gttctaccta agacctttgc tcatttcaaa gaaacacttc tctatggaag 240
agattctctc actcttgttg aagtccaatc agccttgaac tctaaggaat taaatgaaag 300
aaatgaacaa aggccttctg tacatgggga gggact 336

<210> 9155

<211> 341

<212> DNA

<213> Glycine max

<400> 9155

tcatgcaaac ggcttaaaat aaaagtatta ccttcttata tttaaacttt gccaatgat 60
ttttcccact tgtaatgcaa tggtgcaagg gagttctttc atgatagtca cacatgttta 120
catcagcacc aaattggagc aacaactcaa ccatcagtgc actgccagaa tgacatgcca 180
tatgtaatta tgaccatcca cggaacaccc tatctgtctc agtagtctct tcaactctca 240
gacaggcttc aggatcatgc tgatgccctt tggcatcacc agcatgggtga gactcatcat 300
aatactttgc gtttatcaga tttgatgttg atgtgacaat a 341

<210> 9156
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 9156

taacattaca ataaacgcat aaaaaaagaa agcaagtttt aattataata aacataataa 60
 taagtataat attgattaat aagcataatt tgtcagttac tctgaaattt ctattgtgac 120
 aacattaggt agtggcaaaa ttaagttgaa tctcattttt tttaaggatt aacttaatga 180
 ttgtgtatTT ttttgtttga gtctcatttt ttggataagc tactgtgaca ttagaaattt 240
 cagagcaata aatagattat gctcattaat caatattatt cttattatta tgtttgttct 300
 aacttaggct tgtttttttt aagtgtttat tgtaatgtta tgcttacaat gattaaaaaa 360
 agggagaaga tgaagattaa attatatttt tggtaaatag tcattttcat ccttgaatgt 420
 atagag 426

<210> 9157
 <211> 306
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9157

tagaatattg cagcaatatt atattccatc agttcgttaa ctatcacgct tagntggagt 60
 ctgcaaagcc ccaatcattc aacactttgc tgaaacaatt tctggtacta caactattag 120
 aagctttgat cagcagtcaa gatttcagga aacaaatatg aaactgactg atggatattc 180
 tcggccaatg ttcaatattg ctggtgccgt ggaatggttg tgtttccgtt tggatatggt 240
 gtcttctatc acatttgcct tttccttaat attcttaata tctattccac acggattcat 300
 agatcc 306

<210> 9158
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9158

ntcaggtttt ccactacgat tggttcagta ccattgttga acacaaacaa gtgcgcttgg 60

ttcatcactg ctagctcagg atagaccgg gacaaaatgt ttgtcttccc tctgctcca 120
aaactctcca caactgagt atcaatcttc cattcatttg aaaaaacaaa gaatattaaa 180
taattatata ttagtatttt ggagctcata aatgctatat attgttggtg aaatcctgat 240
ccatttggtg ataaattagt tagctttcat ttttagaaa attagttaat ttgttagtag 300
tctgttgctg aaaaacagaa aatagtgtgt taagttgtaa ttctcagttt catcttttca 360
gccctttcac aatgatgtat taatacaatt gatcattcaa taagataagc tgaatgagt 419

<210> 9159
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9159

tccaaccata tgatcataag anaggggaact agcagggcaa ttctcctgtg gatccaaaac 60
catgacttta atggccatct gagaagcagc ttgacatatt attcgaccaa gttgccctcc 120
tcccagaacc ccaacaacca cttcagtttag tccatgaaca ggtgactcat cattcctgca 180
cacaccaata ccaaattttg ggcttttcat gagattttca gggtcagaca cttctaataga 240
ccagaaattt tacatttatc ttctaagtt gaagaaagct gagaaaaggg tcaaaacccc 300
tacaactaga aaacaagcgc caaaaataaa aatgcaaaaa ataacttag agaaactgca 360
tcatcctgtg ttgttgcttg acaagcaaga tgggggttggc cacactg 407

<210> 9160
<211> 424
<212> DNA
<213> Glycine max

<400> 9160

cttggcatct aagatatggc catttgaata tgctatgtgc tgaaattgct aactccaaa 60
gatacgggtgc aggggctgcc taaaactgga gagcttgagt tgtgtgaagg ttgcatttat 120
gggaagcaat caagaggatc atttccaaca ggcaaagcat ggagagcaag tgagtgcctt 180
gaacttcttc atgcagactt atgtggccca atgaaaatag tctcactcga tggaagtaag 240
tatttcttgc tcatcacaga tgattacagt agaattgagct gggtttatct tcttaaagct 300

gctgggggca agtaaatttt cttcccatca gaccttggat gcaactgtga tcttataccc 180
 atatcagcta gatcttgacg ggtattcaag ccatacctcg tcttgcttg aattttaagg 240
 agcgtcccaa tcacactgtc acaaaaattt ttctccacat gcataacatc aatacaatgt 300
 ctaacgtcaa gatcacacca gtatggaaga tcaaagaana tggacctctt cttccatag 360
 caactctgac 370

<210> 9164
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 9164

agcttatcac ccacatcgcc aattgattaa tagcttttaa tgggagtcag gaaaatgaaa 60
 gtgcgccgaa accattaact ggaaaaaaag tttatgcttg gatcaaaggt atcctaacta 120
 tttttgggta gaacccaaag aaagcatcat ctgagactaa catatagaaa aaaagggtcaa 180
 tgttctttga tctttcgtag tgggtccgac ttgatgttag acattgtata aacatgatgc 240
 atgcgagaaa aaatgtttgt gatagtttaa ttggcaccct tcttacatta aaggcaagac 300
 aaaggat 307

<210> 9165
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 9165

tgcaaacaga tttcgcaagg gtcaccctac cagcatttaa aatagttcta gctttccacg 60
 tacttaaccg ttgatggact tcgtccatga taagttggaa tgttcctcgt gatacctttt 120
 tatgaaaaat aggtacccta aggtattttc caaggtcac agtacactga ttaccatttt 180
 cctcgcttga ttaccatct cctcgctcga ttgattccta tgtgacactc aaacattttt 240
 agagaaatgc atacgagatt tctctaagct aatcttctga ccagaactct tgcaaaataa 300
 atttaaaata ttatgaatca agtggactta ttctagagaa gctcccgcaa acaaaagcaa 360
 gtcactctgca taggtcaagt gcgatcagga acaaaactag actacaacaa tatta 415

<210> 9166
 <211> 323
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9166

agcttcggat tgtaagtatt ggattggata gctcgtgctt ccaagctaca naataaattg 60
 aacccaaata tgatactcct cgttttttat ataaaattca attacttaatt ttatcanatt 120
 caaaaaaaaa ttaattgata tcaataaatt tattttacat ttataacttt nttttaaatt 180
 ttccttatca ataataattc atctcttcta atagtattt aatatatttt gtttcttatt 240
 ttaatgagag atgttttttag tataaaaata attaatacaa aaaatattat aaattgagtt 300
 ttataaaaaa aaataaacat caa 323

<210> 9167
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 9167

agcttctgcg agcaggcatg aacgtgtttc gtttcaactt ctcccatggg tcccacgagt 60
 accaccagga aaccttgaac aacttccggg cggcattgag aacaccggta ttctctgcgc 120
 cgtcatgctc gacaccaagg cacgatacga ccaccagatt cgattttcat attccatatt 180
 ctcccctttt tgttcgattt ggatttattt tatttattta tattctcatc gccgattttg 240
 ttttgattta cttttaaatc ttgtgtttta attgctaatt tttatgattg gattagggtta 300
 tgtataagcc ggtgctatta ttattattat ctaattcta 339

<210> 9168
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 9168

tggagttgga gcattgatta tgctgttggt atgttattgg ttcatttgct tgacagatca 60
 aagtgtcttt agttatgatc ttcttctggg tatctgttaa gagtctatga agctgtacca 120
 aatttcctag tagcttttag ttgttttaatt tcagctgaag ggttgtttat tgttgactg 180

ttgcttcttg gtacgccttg taccttgata cttttcttat taatgaaaag tattttgctt 240
 tgttaaaaaa aattaacaat gttttaaacg agcatataaa attaaaaata aatgtttatt 300
 taattactca ataagtattt tgatttgatt ttcttaattt atcatttaaa taaaagatat 360
 ttcaactttt ttttaataa attaaatctc tttgaatgat attaaataga attaatta 418

<210> 9169
 <211> 290
 <212> DNA
 <213> Glycine max

<400> 9169

agcttcaacc aaggggtgat ggaccattta agtgcttgaa agaatcaatg acaatgctta 60
 caaagttgag ctgcccgtg agtataatgt tagttccacc ttcaatgtct ctgatttatc 120
 tctttttgat gcagatggag aatccgattt gaggacaaat ctttctcaag agggagagaa 180
 tgatgagggc atgaccaaga gcaagggcaa ggatccactt gaaggacttg gaggacctat 240
 tgatgaggac atgaccaaaa gcaagggcca ggatccactt gaaggacttg 290

<210> 9170
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9170

tgtttcanac catagatgga tttatttagt ttgcaatctc atagactttg agtcacttaa 60
 tacaaagttt tctgggtgca tcatatgaat tgtttcttca atgtcaccat ttagaaaaac 120
 agtcttaaca tccatctgat gtagctctaa atcacagtga gctaccagtg tcattattgt 180
 tctaaaagaa tcctttgaag atactggaga aaaagggttc tttatagtca atgccttctt 240
 tttgggtaaa tccttttagt actagacgag ccttatatct ctgcacattt ccctttgaat 300
 cccttttgct tttaaatata tatttgcaac caatagggtt cacactttta ggcaatttga 360
 ggagatccca aacgtcattg tcttgcatag atttcatctc atccttcatt gcattgatcc 420
 agt 423

<210> 9171
 <211> 398

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9171

tntggaagga tcaagaagtg ccttatgaat cctcccttgc ttatgccacc agtacctgaa 60
 aggctctca ttttgtacat gacaatcttg gacgagtcaa tggggtgtat ggtggggcaa 120
 catgacgaat ccggaagaa agagcgcgtt gtttactacc taagtaagaa gttcacgacc 180
 tgtgaaatga attactcctt gctcgaaaga acgtgttgtg ctttagtatg ggcatcccat 240
 cgcctaatgc agtacatgct gagccatact acctggttga tatccaagat ggacccgggt 300
 aagtacatct ttgaaaagcc agctctcacg ggacgaatcg ccccggtggca attcctgcta 360
 tctgagtttg atatagtcta cgttacccta aatgcgat 398

<210> 9172
 <211> 240
 <212> DNA
 <213> Glycine max

<400> 9172
 agcttcagca aagggatcac aggtcattac gggtaaattg gcgaagcggg tttatggacc 60
 ttttcaaatt gaggaacgca ttgggtctgt tgcttatcgt ctcagggttac cggcagaagc 120
 tcgcatacac cctgttttcc actgttcatt ataaaaacca ttcaaagggt cactggaatc 180
 ccgtccacaa gtttactggc cgaacacaat tatccagcat caacccttga tcatgccttt 240

<210> 9173
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9173
 nttcactcgg agatctgatt caggcgcata atatattttg acgcttgaaa atgaacaacg 60
 gaagctctcg agaaattcca atgctcatta cctttaactc ggaggtctga tttaggcgcc 120
 taatatatca agacgctcga aattgagcaa cggatgctct ctagaaattt aaatgggtcat 180
 aacttttcac tcagagggtt gattcatgtg catgatatat cgagacgctc gaaatttaac 240
 aatggaagct cttgagaaat tcaaatggtc ataaccttaa actcggaggt gtcatttagg 300

cgcggtattat atcgagactc tcgaattata tcaatggaag ctctt

345

<210> 9174
<211> 342
<212> DNA
<213> Glycine max

<400> 9174

ctttgttcaa ggactaaaaa cttagttaat cctttctttt ctcdttagtc tgatcctggg 60
ttgggttgctg gtgcacttgc tactgtcatg ggttcatgct tatgttttat atcctttttc 120
taggaaatgg accatctgaa gatggcagtg gcaaagatag cttcacacca accaaacatc 180
ttgttggtgg agaaatcatt ctacgatat gcacaggaat atcttcttgc aaaggacata 240
tctctggttc tcaatgtcaa gagaccatct ttggagcgtg tagcacgttg cacaggcact 300
catatagttc cttcaataga tcacttttct tcacaaaagt tg 342

<210> 9175
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9175

agcttgctcg tcttgctgat atttatcatg cagactnttc tgatgatgac cgaggaacaa 60
ttagggatca acttgaaact tatgtgcttt aagggagaa gaaatgcttc tttttccact 120
tgtgaaaatg ttcaaagttt ggctatgaag atggttcaaa ctgagaaaca ttnggtat 180
ccattggttt ataaacttat tgagctagct ttgatattgc cgggtgctgac agcatccgtt 240
gaaagagctt tttcagcaat gaagattatc aagtctaaat tgcgcaataa gatcaacgat 300
gt 302

<210> 9176
<211> 306
<212> DNA
<213> Glycine max

<400> 9176

agcttgctat cccctctctt ataaggattt atatttcctc atccgattct gatgatgatg 60

tcgaactaca tgtctcgaca tctaagaggg ccaagaaatc tggaagaaag tgcctggaaa 120
 tgttctgat gcaccattgg acaacatctc tttccactcc attggcaatg ttgaaaagtg 180
 gaaatatgtg tatcaacgca tacttgcggt tgaaagagaa ctgtgaagag atgccttgga 240
 ttgcaaggag atcatggacc tcatcaaggc tgctggactg ctgaagactg tcagcaagtt 300
 gggaga 306

<210> 9177
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 9177

agcttggtat attttgctcc gcaaataatta tgttgagact agcacttggc tagaaggaat 60
 ttacaaaatg aaagaaaaat gggctagttg ctatatgaaa gatgcttata gtataagaat 120
 gcaaagtact caacttagtg aaagtttcaa tgctagtgtg aaagattatg ttagatcaag 180
 cttggatata atgcaaattt tcaaacattt tgagcgagct gtggatggca agcaatacaa 240
 tgaattagag gctgaatata atagcaggaa aaaacttcat cggctaagga tagaacactc 300
 accattatta aagcaggtta ggcaactcta cactccaaaa atattaaatt tgttcc 356

<210> 9178
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 9178

tccgttatcc aatttctagc gtctcgatat attattttac cgaatcagac atccgagtga 60
 aatgttatga ccattcgaat tcgtcgagag cttcttttgt tcaatttcga gcgtctagat 120
 gagttatgtc accgaatcgg acatctgtat gaagagttat gaccattcca atttctcgac 180
 agcttccggt gttcaatttc aagcgtctcg atatattatg tccccgaatc tgacttcctt 240
 gtgaaaagat tggaccattc aaatttctcg acagcttccg ttgttcaatt tctagcgtct 300
 cgatatagtt atgtccccga atcggacatt tgtg 334

<210> 9179
 <211> 340
 <212> DNA

<213> Glycine max

<400> 9179

agcttcatgc agataagatt ttattgcttt tagccacaaa ttttattata aatagcaaca 60
gttctctgat gcaatataca tgattattta acttggtcta atgataaatt gtattaatta 120
tgtctctaaa gtatgaaaat aaagctcatt cagtagccaa tccacagctc cacacaagtt 180
catgacaacc ctttcaaagc ttcaacttga tagcagtttg aacatcctta tcacctcggc 240
cactgaagtt aaccacaacc ttggcttctt taggaagggg tggacacact ttctctagat 300
atgccaatgc atgaaatggt tccagagctg gaattatgcc 340

<210> 9180

<211> 495

<212> DNA

<213> Glycine max

<400> 9180

agcttgcttc tacagccata gccaaagatgc atcaatgtag caaactttaa gacattttgc 60
aacatcattt tggatattca acaagaacat cctatttctt ggcatggta ccttggtgat 120
tagattgttt ctcccatctc cgatggaaat actggaatct ttcaagtga tatcatagac 180
ttttttgagt aattttccga aactcaaaat atagtcttc atatttagga cgtagtatac 240
atttgatag aatttatgtc ttccatcctt caaacgaatc aagatcttac cttttccttt 300
tacaggaatc ttggaattat caccaaatga gacattgaca cttattgatt catcaagatc 360
tatgaacatg cttttttttt cttcacatat ggttgcttgc accagtgtca aggtaccatg 420
tgttttcttg gctaccttca ttacctccac gtgctaggag cactgtttca aactttctcat 480
ctttttgctc cacat 495

<210> 9181

<211> 674

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9181

cttgctaccg cctgaacaat tagacactga ctcacatagc ataatctgat aacacatcag 60
acacatcttt taatatttgt atttatttac atctaataa aattattagg agtcttgatt 120

tgttttaaga catagatgta tttttgattt aacaccattt ctataacctt aaaacttcta 180
 cacattgatt tgtttgatcc aactagaaca acctttgtta gtgttaaaaag atatggactt 240
 cttgttgatg atgattacac tagatggaca tgagttatgt tcttaactca caatgatgag 300
 tcactaaaga tcttctataa cttttgtaaa catgttcaaa atgaaaaaag gagtatgtat 360
 tacttcaatg gaaagtgacc atgaatgaga gtttgaaaat aaaatttttc ataggtgttg 420
 taatgagaat ggaattttcc ccaacttgtc tacaccatga aactacaac aagatgatgt 480
 agttgagaaa aagaacatgt cattgaaaga aatgactaga accatattaa atgattacta 540
 atctcttcaa cactnttggg atgaggcagn gaatattgct tggtatattt gcatccaata 600
 ggaacttcat ccaaaggact tattgtccaa tggaaattat gtccatttgc attgcatttt 660
 tgtgctttca tatg 674

<210> 9182
 <211> 603
 <212> DNA
 <213> Glycine max

<400> 9182

agcttgctaa cccatggaag ttcctaatat cttccacact ttttggggtg ggccattctt 60
 ggatggcctt gatcttctca ggggtccactt ggacctcatt tctaccaact acaaacccta 120
 agaaaactat attatctaca ctaaaagtac acttctctat atttgcatag aggggtgtttt 180
 tcctaagaac tgaaagaact tgccgtgttg tttagccttcc atagtcatca caaatagaag 240
 aacaaaaaaa attgcacaag agagagaaga acagagttga agagatgaat acatacaaag 300
 aacaagtaag agaaaaagag agagaagagt ttgatctaaa acttgacta gaagtttcta 360
 aaaatgggtt ttttttataa aaatgacttt aactaactaa ctaactaact aactctgaaa 420
 atatactaag tagaaaaata tatactctaa ctaagaagaa gtaatgggtg ggccctaatt 480
 aagcccactt aatctctcca ataagctaata tacagaatgc aacgtcccaa aattcgcagc 540
 ccaaaatcca agtgcagagg ctctaacttt caagctcaaa atgaccctca aaacagcata 600
 att 603

<210> 9183
 <211> 641

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9183

ncaacaacag gtgctcgggtg acgttctaata agtctcatat aagagttttt tctgattgct 60
 tttctaagaa caccacacaat agactatcct ttatctgaag ttatcctttt gattgatcat 120
 tcttaccaca aaaacaaaca tacaccccaa tgcataagaa cccccacgta atagtacaaa 180
 aagtaaacga acacaacctt acctccgcaa gatgaataat gcatatgtat cttgattagt 240
 atcaatttat aatagctttg tgtgtgtgtt gatatatatt aactattata aaatcaatat 300
 atttatctta aaattattac attattaatg cataacctat ttttttatat taaataatag 360
 aatagatact ttttttatag gaatagaata tatatactaa taagttatta gtatgagaat 420
 accatacaca atctctttaa gcaaagtctg tgaataaaaa aacataatta aataaaaatt 480
 ccattacaaa tgatcaacca agttctctct gataaaaact aatcaacagt gagtactccc 540
 taaaaataat atgactatca aaaaaataa aataacaacc gactgtacta tgtttcaaga 600
 ctaaattcgt taactactct gttatggaat ttataattc a 641

<210> 9184
 <211> 480
 <212> DNA
 <213> Glycine max

<400> 9184
 agcttggagt ggtgaaccac ctgattattt ttgttttata gtgtttggat cactggcctt 60
 tgctcatgtt aaacaaggaa agttggatgc aagggctgta aagtgtgtgc tcattggcta 120
 tcctgaagga gttaaagggt acaagctatg gaaattggaa cctggtgaga caagatgcat 180
 catcagcagg gatgtaacct ttgatgagag cagaatggca ttgctaatta aggagcagaa 240
 agataacaac ttaagtagtg agaataccaa ttttgagggt gagcattctg agaagctgga 300
 gataatgaag agctggttac taagcatgac ttgcccaatt atcaattggc tagagataga 360
 gaaaaaaggg tgataaagcc ttcaaagaag tatggtcatg ttgatattat atgctatgcc 420
 ctgagtgttg atgaagagat tcaaaattca caaaccatag acctggaggg aagtaattga 480

<210> 9185

<211> 499
<212> DNA
<213> Glycine max

<400> 9185

agcttgatca gcgctaggca atcaattcat gatatttoga ataagatttg aggggtggagg 60
atagacaaac agtgcttggc aatcaattcg tggggctacg gataagattt taggggtggag 120
gaagcatgaa tagcgctagg tgtcatacc taatttcgtc cggggacctt tgcttgatga 180
catgcgacct ttgtttggtc cctgtaaggt gcttggcacc catcattagg caatttgtga 240
aattccagga catgccgaaa aacaaaagaa aatattgatg cacaatccgt aagggtccgt 300
gacacaccga aaatcaaag gaagcatcgt tgcataatta gtgagggtcc gtaacattcc 360
gtaagtcaaa aaggggatga ttatgtaatc cgcaagggtc tgtaacatta cggaagaaaa 420
acaagtatcc gtaccaaagt tcgaagtttc cgtaacttta cgaaaaaaaa gagtcacaaa 480
aaaaaaagca gaggggggtg 499

<210> 9186
<211> 496
<212> DNA
<213> Glycine max

<400> 9186

agcttgctat cccctccaag aaaaggaaag aattttcttc atccgattct gatgatgatg 60
tcgaactaga tgtctcgaca tctaagaggg ccaagaaatc tggaagaaag gtgcctggaa 120
atgttctga tgcaccattg gacaacatct ctttccactc cattggcaat gttgaaaagt 180
ggaaatatgt gtatcaacgc agacttgagg ttgaaagaga actgggaaga gatgccttgg 240
attgcaagga gatcatggac ctcatcaagg ctgctggact gctgaagact gtcagcaagt 300
tgaggagattg ctatgaaggc ttagtcaggg aattcattgt caacattcct tctgacataa 360
ctaacagaaa aagtgatgat tatcaaagag tgtttgtcag aggaaaatgt gttagattct 420
cccctgctgt gatcaacaaa tatctgggca gacctactga tggagtgata gatattgatg 480
tttttgagca tcaaat 496

<210> 9187
<211> 640
<212> DNA

<213> Glycine max

<400> 9187

gcaagcttat tgataattag ccatacaa atgaatctca atagcacaga agcacttctt 60
gtgctttttg catttgtctt cttggcatgg ggcaatgcac aaaataccct tgtgccagca 120
ataataacat ttggtgactc ggctgtggat gttgggaaca atgattatct gcctaccctt 180
ttcaaggcta actaccctcc ttatggaagg gactttatca accatcaacc cactgggagg 240
ttctgcaatg ggaaactagc tactgatatt actggtgagg aaatatcatc aaaattgcaa 300
cttacttagc atggatagaa atagtgcaca tatattatct tcattcttgt tgaaataatg 360
tttccttttg cagctgaaac actgggtttt aagagttatg cacctgcgta ccttaaccct 420
caggcatcat ggaataatct ttttattgca gcaaactatg cttcagctgc ctctggttat 480
gatgaaaagg ctgctattct gaatgtaaag ttggaataaa cagtgcacac acatgcaaac 540
tcattcttga gaactaatca ttattttaac tgtgtttttt tgcagcatgc gattccattg 600
gtcccacagt taaaatatta caaggaatac tgaggcaagc 640

<210> 9188

<211> 492

<212> DNA

<213> Glycine max

<400> 9188

gcaagcttat cctgtggccg ccaaagcctt ctgtttttct gttatagcct attataatcg 60
agtagatggg ccttgttcta tggtaatcga ttacaggag tagtaatcga ttaccagatc 120
ctaaaatatg gtatttcaag tgaaataatc acgaaaatca attatttgtc acccgcaaaa 180
ctacacattt attataaata atcaaaatag acaatcgtga acaatcatca taaacaatca 240
aaatagacaa tcatacataa taatcatgaa caataattag caaacacaag cacttcactc 300
aacaaaaaat taatcaatca tgaaagataa ctatcaaaca caatcatttt tcttaatcaa 360
aggaaacaat catcataaac aagcataatt aacagccatt aaagccaatt tattataaac 420
aatcaaaatt gttacgaatc taagttatct atgtctatga gtcctagtgc tcttctaata 480
tcaaagaaat tt 492

<210> 9189

<211> 529
 <212> DNA
 <213> Glycine max

<400> 9189

tgaaccatc tttgtatagg tgaaccctct taactctatt ttccaaaatt ctagttcaat 60
 tgcatttaac acaaggacat atgatcccc atcatttgtgt gataacaatt ttgttgacta 120
 gctttgcaaa caaattcttc aaccccccta acaaaagact ctttcaaaca acttctacca 180
 ctataacatc tatcgtacat ccaacaatga ttcaaaagaa tatagctcat attttgtata 240
 tttaagaaga aaaaatatga acattcatga atcacatata taatcttaaa gtgatctcta 300
 ttattagtcg caacaattat gatcatgttt taggtgaaaa aaatcacata catatggttt 360
 ttgtctttct aatgaacaa agcatggaat gtaaataata taaccacaat cacaaatata 420
 cttaacacat ttagaataca aaatttcgaa caactaaaat aaaaaacca caactaactt 480
 gaacaatgga atgtacaacg atcacgtaat acaatctcac ctataaact 529

<210> 9190
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9190

gcaagcttng acagcgctag gcaatgaatg catgagactc cttttaagat tcgagggcgg 60
 aggatagaca aacagtgctt ggcaatcaat tcgtggggct acggataaga ttttaggggtg 120
 gaggaagcat gaatagcgct aggtgtcata ccctaatttc gtccggggac ctttgcttga 180
 tgacatgcga cctttgtttg gtccctgtaa ggtgcttggc acccatcatt aagcaatttg 240
 tgaaattcca ggacatgccg aaaaacaaaa aaaaatattg atgcacaatc cgtaaggttc 300
 cgtgacacac cgaaaatcaa atggaagcat cgttgcataa ttagtgaggt tccgtaacat 360
 tccgtaagtc acaaagggga tg 382

<210> 9191
 <211> 564
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9191

agcttcacta ctagaaaatg aacttttaac attttctatt ttttactttc aacatcggtt 60
tttaaccgat gttgaaacca cgcacgttaa tattatcaac gttaacatcg gttttcaaaa 120
aaccgatggt aacttgcaact acacgacatc gggtatttac aaaaactaat gtcataataat 180
aagaaatata aaaaaaaaag caaaaactaa aaaaacaaca tcgttttttg ttaaaaccga 240
tgttgaatta tgtattttta agtggtttct acattgggtt ttttagaacc gatgcagaaa 300
gtgtctttac aacatcgatt ttaggccaaa accgatgtaa aaagtgtctt taagacacac 360
tttttatatc gggtatggcc taaaaccaat gttgctttta aggaactttc tacatcggtt 420
ttagaacaac cgatgttggt ttttgcaata aaaaaatgat attttatttg tttttacaat 480
gaaccaacca aaacctttca tgattttctc caaagagaat tctttattca ttagttaagc 540
atagaaaaag atagaattgt gagt 564

<210> 9192

<211> 590

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9192

ttgagccaac tcaaacgata ataacttttt actcgatgt ttgattgagt cccgtaacat 60
atcgagacgc tcgaaattga atggatgaacc tctgagccaa ttcaaacgac aatatacttt 120
ttcacggatg tctgattgag tcccgttaaca tattgagacg ctcgaaattg aatgttgaac 180
ctctgagcaa attcaaata caataacttt ttactcgat gtctgattga gtcccgtaac 240
atatcgagac gctcgaaatt gaatgttgaa gctctgagcc aatacaaacg accataactt 300
tttactcgga tgtctgattg agtcccgtaa catatcgaga cgcttgaaat tgaaagtga 360
agctctgagc caattcaaac gaccataact ttttactcgg atgtctgatt gagtcccgt 420
acatatcgag acgctcgaaa ttgaatgttg aagctctgag ccaatacaaa cgaccataac 480
ttntttctcg gatgtctgat tgagtcccct aacatatcga gacgctcgaa aatgaatggt 540
gaagctctga gccaaactcaa acgacaataa ctttttactc ggatgtctga 590

<210> 9193

<211> 528

<212> DNA
<213> Glycine max

<400> 9193

agcttcaaca ttcaatttcg accgtcttta tatgttaagg gactcaatca gacatccgag 60
aaaaaagtta ttgtcgtttg agttgggtca aagcttcaac attcaatttc gaccgtctcg 120
atatgttaag ggactcaatc agacatccga gtaaaaagtt atggtccttt gtattggctc 180
agagcttcaa cattcaattt cgagcgtctc gatatgttac gggactcaat cagatattcg 240
agaaaaaagt tatcgtcgtt tgagttggct cagagcttca acattcaatt tcgagcgtct 300
cgatatgtta cgggactcaa tcagacatcc gagtaaaaag ttatggctct ttgtattggc 360
tcagagcttc aacattcaat ttcgagcgtc tcgatatgtt acgggactca atcagacatc 420
cgagaagaaa gatatcggcg tttgagttgg ctgagagatt caacattcaa tttcgagcgt 480
ctcgatatat tacgggactc aatcagacat ccgagtcaaa agttattg 528

<210> 9194
<211> 560
<212> DNA
<213> Glycine max

<400> 9194

agctttcttat tttcagtaga tgaagatgat tctgtggcca catcaaggac tcctctaagg 60
acaatagcat cttttcttgc actgaattgt tgggagttgg aagccatctt ctcaatcaga 120
ttcctagcct caacaagagt catatcacta agagctccac cactggcagc atcaatcata 180
ctcctctcca tgttgctaag tccctcatag aaatattgcg gaaggagttg ctccgaaatc 240
tggtagttag gacagctttc acacaatttc ttgaatcttt ccagtactc atacaagatc 300
tctccactaa gtttctgat gcctgaaatg tcttttctga tggcagtggc cctagatgca 360
gggaagaatt tatccaagaa caccttctta aggtcatccc agctggtaat ggacttgtga 420
gcaaggtagt acagccaatc cttcgccact ccctctagag aatgaggaaa agcctttaga 480
aagatatgat cttcttggac atcaaaggat ttcattggtg aacagacaat atggaactcc 540
ttaagatgct tatgaggatc 560

<210> 9195
<211> 629

<212> DNA
<213> Glycine max

<400> 9195

ttacatggag ctatatcatg tggatcaag agcattttca tctaggtgat gttcttttga 60
ttcctctatc tttttgtttg gtcaattcac ttttaattcct tgttcttcat cttcttctcc 120
atgtatctcc tcaattttct tgtagtttgg tgttgtttag tgtagatcaa aaaaaataaa 180
ccgattaaat cttagatcta cacttgctct tgcatttcta tggttcaa at tttatagata 240
aactcttgaa tcatgttttt gtgttgattt taggttctat ctttttttag tcataatatt 300
cttgttttga accttttagat ctcaattttc ttgcaaaata ttgattagaa aagaaaacaa 360
aaaaatccaa gtgtaaatca cttcattcat gttgtcttag agtcatgttt agtcataata 420
attgtcacat tatgttctaa gtttgaattc aattttgatt ttgttgattg aattataaat 480
acatttggtc atgtattctt gcaattctta ccctatcatt taaatttgag tctaattcat 540
gcatgggtatt tagttcataa catgttctaa atcaattcct agaagtagtc ttgttggtga 600
actttttttt ggtttctaaa gttcctata 629

<210> 9196
<211> 605
<212> DNA
<213> Glycine max

<400> 9196

tgccccaccc gttatcactg agcattctac atttgactaa tcttatagta ccaagattct 60
ctagaaatcc aatgcgattt ggcaattccc tgatatttcc attgaccatg ttcagtgtag 120
taagaaatgc taggtctcca gtagattcta gtaaataatc aagatttatg caattcatta 180
tctcaatttt cctcaataat ttgggtcttc caatctcatt tggcaaattt gtgatggttg 240
ttccatctaa ctgaattcaa tgttttaatt gaattttcca atttgctgat ccaactgata 300
actccctcag gtaatatataa gaaccaatga tagaaggagg ttctttaatt gtggtgctat 360
ttaaaaaaag ttgtgccccat gatatgagat tgcctataga atcaagaatt acaatgagag 420
attcacacca catcaaattg agtctcttaa agggatttca atgatcccat taagacagtt 480
aattcttgca atgaacatag atgtcctgta gaactaggta cccctctcac atattggcaa 540
ctttctaaaa caaagagctt caagttttgt gatgcgaaaa aaatgactgt gggcactcta 600

<210> 9197
 <211> 628
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9197

caatagaccc cctcaacctc tttttcttaa tcaaccatcg cagagcaatt atgacctttc 60
 cagcaataga tacaaccctg gatggtggaa tcaccctaac ctcagatggt ccagccctca 120
 gcaacaacaa cagcagcctg ctcttctctt ccgaaatgct gctggcccaa gcagaccata 180
 cattctcca ccaatccaac aacagcaaca accccagaaa caaccaacag ttgaggcccc 240
 tccacaacct tccctcaaag aacttgtgag gcaaatgact atgcagaaca tgcaatttca 300
 gcaagagacc agagcctcca ttcagagctt aaccaatcag atgggacaat tagctacca 360
 attgaatcaa caacagtccc agaattctga caagctgcct tctcaagctg tccaaaatcc 420
 caaaaatgtc agtgccattt cattgaggtc gggaaagcag tgtcaaggac ctcaaccgt 480
 agcaccttcc tcatctgcaa atgaacctgc caaacttcac tctattccag aanaaggtga 540
 tgacaaaaat ctacctaacg atttctgtgc aggtgaatct tcttccacag ggtaattctg 600
 atttgcagaa gcagcacatt ccccccctc 628

<210> 9198
 <211> 540
 <212> DNA
 <213> Glycine max

 <400> 9198

tgccagcttt gccagttagc accccaattc ttttttatgg attcccaatc attcattcgg 60
 gaccctttaa cccaaactcg ggaaatctct ccagctccac ctatgttgct tataagcacc 120
 aattcgaaat acactctccc attgatggta aatctgatgc ctccacttct tttgcacca 180
 actctgcata atataaatgt tactagctag cctaattgtt tttaaaccac atgtatcctt 240
 tacgagaaac aaaaaaaaaag gtttatgaca tatggcaatt gacataacat aaagatactt 300
 acttgctgta caaaattggg acaatgccag ctttgtactt ggctattgtc tgaaaggcag 360

gttgagacat gtcaaagtgt ggtctaggag gattacacca gccaccattg tcattatgga 420
 gcgcgaagtt tggtaggcac acaattgtgg catgtacaac aatggaagtg cccctgatgc 480
 accattgtag cacttgccct gcgtcacaaa ctatcctata gcaaccacca catgaatttc 540

<210> 9199
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 9199

acatactgaa tcgataccat agttattttc aaaaatattc ctaacagtcc catctttttg 60
 tgtggctctt gaatggctat caaaaggcct atatatatgt gacttgagac acccaatttt 120
 acaagagttt ttcagaacaa aaaagcctta tgctcttaca aagaaaaata attttatccc 180
 tcttacaaat tccttggcca aaactcttgt gattcataag gaatcatttg agtgetcaaa 240
 ttggttaatc tatcttttta tagagagatt tcttcttctc ttcttcttca ttctgaaa 298

<210> 9200
 <211> 604
 <212> DNA
 <213> Glycine max

<400> 9200

agcttaagct cettcaactg cacaaggctc ttaatatattg aagagtatcc ttgtggaacc 60
 ttcacccaac gaagacactg acaaaaactt atcttctcct ttttggacaa agtatggcaa 120
 gctgggggca agtaaatctt ctcccatca gaccttggat gcaactgtga ttgaatcccc 180
 atatcagcta gatcttgacg ggtattcaag ccaccttctg tcttgccttg aatgttaagg 240
 agcgtcccaa tgacactatc ccatacattt ttctccacat gcataacatc aatacaatgt 300
 ctaacgtcta gatcagatca gtacggaaga tcaaagaaaa tgaacctctt ctcccatatg 360
 caattggtac ttttatcctt cttttgggtc ttccaaatac agtattgagg tgttgaaccc 420
 gctcatatac ctgttcacca gtcaatggta ttggcgcaac attgtgctct tgactttcat 480
 taaaagctct tttcagtcgt ctggaaggat gattggggtg tataaaacga ccatgcctaa 540
 tatacactat ttttcttcca tgttttagtt ggatgtagct tgtgttttct tcacagatgg 600
 ggca 604

<210> 9201
 <211> 459
 <212> DNA
 <213> Glycine max

<400> 9201

cgaaattgaa caacggaagc tcttgagaaa ttcaaattggc cataactttt aactcggagt 60
 tcaattcatg cgcattcacat atagagacgc ttaaaaatga acaacggaag ctctccagaa 120
 gttaaaatgg tcataagttt tcacactgat gtccgattca ggcttatatt atatcgagac 180
 gctcaaaatt gaacaacgaa agctcttgag aaattcaaatt ggtcataact ttttactg 240
 agggccgatt caggcttata atatatcaag tcgctcgaaa ttaaaccatcg gaagctctcg 300
 agaaattcaa atggtcataa cttttcacac ggatgtccga ttcgggcgca tattatgtcg 360
 agaggctcga aactcaacaa ccgaagctat cgagaaattc aaatgggtcat aacttttcac 420
 accgatgtcc gattcaggcg cataatatgt cgagatgct 459

<210> 9202
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 9202

gctttcagca aattcaaacy acaataactt ttttctctg atgtttgatt gagaccgta 60
 atatatcgag acgatcgaaa ttgaattctg aagctctgaa ctaattcaaa cgaaaattat 120
 gatttgctcg gatggctgat tgagtccttg tatacatcga gacgctcgaa attgaatgg 180
 gaagctctca gctaattcaa acgacaataa ctttttactc ggatgtctga atgagtcccc 240
 gtatacatcg agacgctcaa aattgaatgt tgaagctctc agcagattca aacgaccata 300
 acttttttcc tcggatgtct gattgagacc cgtaatatat cgagacgatc gaaattgaat 360
 cctgaagctt tgagctaatt caaacgacaa tactgatttg ctcgatgtc tgattgagcc 420
 cc 422

<210> 9203
 <211> 305
 <212> DNA
 <213> Glycine max

<400> 9203

ttataccttg atgggggtggg gcattatctt gttcttggtc atagaacat caaacgtatc 60
aattgctacc tgcagttcat tagtgctgc aacaaccctc atggtgtaaa agtaggcgcc 120
aaaaacaaat gctatcaaac cctgaacgac taccaaattc tttggcttaa gaggaaggct 180
tctatacacc ataattctag cgtcttgat caatagggga agaagggcta gcacattctt 240
taacatttac agttaccctc tgtggaggca agggctttaa gcacaatata taatgagatc 300
ccttt 305

<210> 9204

<211> 575

<212> DNA

<213> Glycine max

<400> 9204

agcttttagac ctttgatggc atgttggcat cacctttatt cttgttcttg tcaacttcaa 60
acttatcaat tgctacctgc agttcattag tgctccaac aaccctcatg gtgtaaaagt 120
aggcaccaaa gacaaaagct atcaaacccc caacaactac caaattcttt gccttaggtg 180
gaaggctcct atatcccaaa attctagcca tcttgatcaa taggggaaga agggtagca 240
caatttcaca caattacaat taccctttgt tgatgcaagt gcaaaaagca caaaagataa 300
aaagataaat aattctaaat tgtgataatg aggagagtga aagaaagtaa aaggtagaca 360
tttccacaaa cagaataagg gcaaggcagc cccaacacaa ttgaaagagg agtaaaatga 420
aacgtagaga ggtggtcaaa ttatttcac aaacaaaaac agttttgatg ggtattactc 480
atattgctac aaagaaaacc tttcaattaa gtttctatga tgaaccagac agcattcaca 540
aaatcaaaat ttttagaat gatgacttaa tatga 575

<210> 9205

<211> 521

<212> DNA

<213> Glycine max

<400> 9205

agcttgagga taaagacttc ccaagctatt tatcttctct ctcaaagagg ctctctactt 60
ggatgggttag gaatgaagge tctaccctt atttatacta ctccatctcc acaatgaatg 120

gtggagatta cttgtatcct aggatgaaga ttaattctct agaatgctcc acacattcta 180
 ggagtctcta cactctttta ttccttttca tactcttcca taaggttcca gcccacacat 240
 ctccagaata ttccagaggt ttccacatcc ttccataagc ttctagagag ttctacacta 300
 ctctagagtt ctccaggatg ttctagaaaa ttctacactt ttctagagag ctctacaatt 360
 ttctagaacc tctccgattt gttatttaat ttgatattta tttatttatt tgagatgttt 420
 ctttgctatc ttaagtattg ttttcaattg aacttattta acaaatacat aattttaatt 480
 caattacgtc tatatgatac ttttttatat tttatttacc a 521

<210> 9206
 <211> 486
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9206

ccctattttg gcaatacctg atttttctaa gggttgtatc ttggaaactg atgcatcagg 60
 aattggactg ggagcaatat tattgcagaa agagaaaccc ttagcttttt tggagcaagg 120
 ctctctcaaa ctcgagtcag tgtatgagag ggaattgatg gcggtggtgt tagcagtga 180
 aaaatggagg cactatctgt tgggtaagaa atttataatt agaactgac aaaggagt 240
 gaagtcttta aatgagcaga ggcttatgag tgaggaacag ttcaagtggg ctactaaatt 300
 gattggttat gattttgata ttcagtatag gccaggaaag gagaataaag tggctgatgc 360
 actatccacg cagttntcat tttcagcaat ttcaatggtg caagaggagg aatagcgtga 420
 ttggggaggaa gaaatacaag caaacctcc attatatgaa atatatcaag ggattctgac 480
 taaaac 486

<210> 9207
 <211> 571
 <212> DNA
 <213> Glycine max
 <400> 9207

agctttgatg gtgtcgagaa gaaatcacat gttttgtttc atcaaaaagg gggagaatgt 60
 gaatgtatgt atacatgatt ttgatgatgt caaaagagga atcaaacaaa gttgcttcaa 120
 aagataagca tggcttcaag attaatacaa gattgcttca acaaacaaag ccttgcttca 180

agattaactc aagatcaagc cttgccttaa agcaaagtgc tttcaagaca ttcaaggctt 240
 tggtaatcga ttaccggaag atagggttga gaaatagttg ttgaaaagag ttttgaattt 300
 gaattttcaa catgtaatcg attaccatat gtctgtaatc gattaccagc aacgaaactc 360
 ttgaaattca aattcaaaag tcatgaccct tcaaattata actgtgtaat cgattacaca 420
 aacattgtaa tcgattacca gtgaagagtt tttagaaaat atgccaacag tcaaattctt 480
 tctttggatt tgtgaatggt catcaaaggc tataaatagg tgacttggga ccaattttat 540
 gagagagttt tgattgatca aaatgtctta t 571

<210> 9208
 <211> 567
 <212> DNA
 <213> Glycine max

<400> 9208
 agcttaatct tcaaataaag cactattaat ttttattatt aatgatgaaa agaaatataa 60
 tactagctat cattcttact tcttatctag catgcatgct catgttggcc accaccctca 120
 gcttcccatg catgggactg gcatccaatt tcaaggaaat tatcttattg gatcttttta 180
 tgtggttccc actggaagat acaatctagc cttattttca tccacttgaa ttaaaaaaaaa 240
 gaagaagatc ggtgtattaa ttaaatcaat aaaaagattg gtatcccact ttttttagct 300
 ttattttaca ttaactttga tatttagtag gtgaggtaga aaagattaaa ggaaaaatga 360
 gtttttgatg gttttaattg gtgagagaaa attaccaatg aaacagattt tgtttatttt 420
 tagaaaaaat agaaaagctc acttatcttt gttaaactcat gattctcaga ataaacataa 480
 taaaattatg tataattaaa cattatttat atcaatgagg tcccctcact ggttttggtc 540
 aaaccaatta gtatcctatg ctttttaa 567

<210> 9209
 <211> 474
 <212> DNA
 <213> Glycine max

<400> 9209
 tgcaaaacag atttcgcaag ggtcacccta ccagcatata aaagagttct agctttccac 60
 gtacttaacc gttgatggac ttcgtccatg ataagttgga atgttcctcg tgataccttt 120

ttatgaaaaa taggtaccct aaggtatttt ccaaggtcat cagtacactg attacccatt 180
 tctctgcttg attacccatc tctctgctcg attgattcct atgtgacact caaacatttt 240
 tagagaaatg catacgagat ttctctaagc taatcttctg accagaactc ttgcaaaata 300
 aatttaaaat attatgaatc aagtggactt attctagaga agcttccgca tacaaaagca 360
 agtcatctgc aaaggtcaag tgcgatcagg aacaaaacta gactacaaca atattatctc 420
 cactttgttg atcaggaaca aaactatgtt gacaaggctt aatccaatga gtca 474

<210> 9210
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 9210

ttttcggaga aacatgaatg tttttgttta gggctgttca tgtgtcctcc attatcgagt 60
 ttgtagctat gttccatgat tgcctaagtg agcatcctca aggcaatcct ccattctcac 120
 ccttttttgg agccacatga atgctattgc ttaaagctgt tcatgtgtcc ttcattttcg 180
 cgtttggagc tgtgttccat gattgcctaa acgaggaccc tcaaggcaat cctctattgt 240
 cacccttttc cggagccaca tgaatgtaat tgcttaaggc tgctcatgtg tcctacattt 300
 tcaaggtggg agctgtgtac catgattgcc taagagaaga cc 342

<210> 9211
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9211

atagcatcat ttcttgcctt gaattggtgg gagttggaag ccatcttctc aatcaaattt 60
 ctaacctcaa caggggtcat atcaccaagg gttcaccac taatgaaggc cgcttgaca 120
 caatttcttg aatcttttcc cgtacctata caaactttct tctaagtt gcctgatgcc 180
 tgaaatgtct tttctgatgg cagtggacct agatgcacgg aagaatttct ccaagaacac 240
 cctcttaagg tcatcccagc taaaaatgga cctgngagca aggtagtata gccaatcttt 300
 tgccactccc tccagagaat gaggaaaagc cttttaaaag acatgatcct ctttgacgtc 360

<210> 9212
 <211> 499
 <212> DNA
 <213> Glycine max

<400> 9212

agcttgctaa catctacatt aataatatga ttcttaatgt gaacctcccg aggttcaata 60
 ggaagaacag acaagggcct tcagatcaag aggaaggaaa atcccaagag agaggatgat 120
 gcaatcctac cccgcaaggg cattgaatag aagactccaa gtagattgga ccagagatgt 180
 aagagaaggc cctaggattc tcatgagcct tagggtagat tttgggcca tgggctaagt 240
 ataagcccac ttatctttgt acatattaga ttaaggtttc attattttgg accttttatt 300
 tagggttcca taatgtaggt agagtaccct agaaatgtag gatttttcag cccttgtatt 360
 ttacgggtacc tagactaatt tttgtattag gggtagtttt ataatttcac atgcattaag 420
 tgaatatttg atgtgtgtgt tggaaaataa attgaattga attgggagaa gcctaattca 480
 attaaagttt agaggggga 499

<210> 9213
 <211> 467
 <212> DNA
 <213> Glycine max

<400> 9213

caattacgag cgtctcgata tcctacggga cacttttctg acatctgagt caaaagtat 60
 tgttgtttga atttgctcag agcttcagtt ttcaattacg agcgtctcca tatattacgg 120
 gactcaatcg aacatccgag ttaaaagtta ttgtagtttg acttttctta gagcttccgt 180
 tttcaatttc aagcgtctcg atatattaca gggctcaata ggacatccga gttaaaagtt 240
 attgtcgttt gacttttctt agagcttccg ttttcaattt caagcgtctc gatattattac 300
 agggcgcaat cggacatcca agttaaagtt tattgtcggt tgacttttct tagagctttc 360
 gttttcaatt acgagcgtct cgatattccta tgggacacaa tcggacatcc gattcagaag 420
 ttattgtcgt ttgaattggc tcaaagcttc tattttcaat taccagc 467

<210> 9214

<211> 490
 <212> DNA
 <213> Glycine max
 <400> 9214

agctttgagg aaattcaaac gacaataact tttttttctt atgtccgatt gtgtcccgga 60
 gtatctcgag acgctagaaa ttcaaaacag aagctattag aaaaatcaaa cgacgataac 120
 tttttacacg gatgtcccat tgagtcccat aatatatoga gacactcgaa attgaaaaca 180
 gaagcactta gcaaattcaa acgagaataa gttttgactc ggatgtccga ttgtgtcccg 240
 tagtatatgg agacgctcga attgaaaaca gaaactgtga gcaatttcaa acgacaataa 300
 ctttatactc ggatgtccga ttgagtcgcg taatatatcg agtcgctcgt aaatgaaaaa 360
 agaagctttg aggaatatca aacgacaata acttttgact cggatgtccg attgtgtccc 420
 gtagtatttc gagaagctct aaattcaaaa cagaggcttt atgaaaaatt tatggcgata 480
 tcttttttca 490

<210> 9215
 <211> 309
 <212> DNA
 <213> Glycine max

<400> 9215
 agcttccact cttgggagat gaagctgcct ttttattcat ggggtggggtt gaaacggagg 60
 gcataggcca agatgtggaa cttagagccg atggactcat ggcagtcatg tcaagtccac 120
 tagctgaata tgattgtgct gatggcatag acgagccagt ggaagcatat acagggcgca 180
 actcttgagg tttgtgggca gagaatctga cttttataac gcagccactc tcatcgttgc 240
 aaatgcttgt acggtagtgg gcaggatagc aatctggact taaaaacacc atgagcattc 300
 tcacaggaa 309

<210> 9216
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 9216
 agcttgttct ggatatgact agctcttatt tctatgatgt taaaaaagaa tgtgagaaac 60

atttgcaaaa gccttgcttt attgccattg gatctccttt ccttaggact gtcttaaaga 120
 tacatattga acctgagcta ctgcataagg attctgtcct taaagtggaa agcagacaag 180
 atcttatttt ctataagggg gggaaactag ttcttagtaa tagtgctctg gctaaattca 240
 tcagtggta caagaaatat gggaggattg gtgaactttc aaaactttta cttagtattc 300
 aaggggaact aaattcagtg gcagggtcca gtttgtgttc tgatgtaatt ggtgcttgta 360
 ttcagtta 368

<210> 9217
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 9217

agcttgtgtg tgggccaaag gatcatcttt ttttcttca aactcagctt ccatgactca 60
 ttataataat acttggaag ctcaagattt ggatgcttat ggtagaagaa gtctgagatg 120
 ggtgcaaaaa tattacatga tttatagcta ctgcaaagat tacaagcgat ttcctcaggg 180
 tcgacctcgt gaatgcaggc tttctagatt ctcttagtgc gggataagta aatttaaaat 240
 taatttgatg attttttcat ttgtgtgtat ttaaaattcc actcgaatac ggctgaattt 300
 gagcaagatc aatttgattt tacttttget tgcttgaacc gataatttca tctcttgta 360
 tttacctatt tctcctactc tttctaaaca atgtaaaatt attaaaaac 408

<210> 9218
 <211> 242
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9218

agctttggag tttccaagtg ccaattcgtt tttttctgta gtccagtctt cttctggctt 60
 caattcatca gtgggctctc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120
 gacagctttc caggttctgc tatccagcga tttgaggaag gccaccattc ttgctttcca 180
 gtattcatag ttgcttccat caagaattgg tggctctgac cctgatnnta cttctttctc 240
 ca 242

<210> 9219
 <211> 483
 <212> DNA
 <213> Glycine max

<400> 9219

tggaactaaa ctttttttct ctaccacttg ctatccacaa actgatgggc aaacagaggt 60
 agtgaataag tctttatcca cccttttaag gctcttctga aaggcaacca taagtcttgg 120
 gatgactatc ttcctcatgt agaatctgcc tacaacaggg ggggttcatt gaaccaccaa 180
 gcattccctt tttgaagttg tctatgggtt caatccccta acatcgctag acctcattcc 240
 cctcccactg gacacttctt ttatacataa agaaggggaa tcttgggtgag agtttgtaaa 300
 gaagttgcat gagaggggta agaaccacat agagaaccaa acaaacgtgt tttcaactaa 360
 aggcaacaga ggaagaaaaa aactatttct taatgagggg gactggggtt ggctccatct 420
 tacgaaggat agattcccta ctaaaaggaa atccaagctt agccctagag gggatggacc 480
 ttt 483

<210> 9220
 <211> 630
 <212> DNA
 <213> Glycine max

<400> 9220

agcttgagtc ttataaatga aaattcatgg ttgtattata aaatctcact aaaagtgtat 60
 aaaatgttaa taaaaagtat tattaaataa gaagtaacta ttatataata taaaatacat 120
 taaaagttta ttaactataa atactgtgtc catctttata tataggacc tttcaactaa 180
 tttcaaccct taaataatta gttaatttag tcaatgggtat taaatttatc aataatttgt 240
 gttgtttttc caaaattaac cttattattt taaaattaat tatgtcctct tttcacttaa 300
 ttgtttctca tctagttact actctaggtt cttctcgaat cctaataata aagaaaataa 360
 gtttatctca ttgtactcat ccccttctaa aatggctgac gtttaagatt ttttcacaca 420
 aaataagaac aacaataaat aagttagggg tcaaaataat tctactaaaa tatatttcat 480
 ctcatgtgtt taatttatga ggtgataaat ggtggtagtt gaaaaattgt aggacaggca 540
 ttaaattcat gtatttatta agggctaaat tgaaataaaa attttgatat ctcaattaaa 600
 aataatagca ttaatctatt taattttttg 630

<210> 9221
 <211> 594
 <212> DNA
 <213> Glycine max

<400> 9221

ttggcctttga ggacttgctc caatggctca tcatgtcttc tattgaacct ttcttcatag 60
 gcttgaagag aacccatcaa ttggtctaca gtcattgagt ctaaatacctt agactcttca 120
 atagcacaaa ccacataatc aaatttagcg attaaggagc gaatgatctt ttccaccaca 180
 cgaacatctt ccatatcttc tccataacac ttcatttggc tcacaatagc caacaccttg 240
 ttgccaaaat ctgagataga ttcggattcc ttcatatgta atgattcaaa ctctctacgt 300
 agagtttgta ggcgacacct ttttacctta tcaacacctt caaggagggt tttcaaaatc 360
 tcccatgctt ctttggatgt gggtacattt gacaccaaca ctactagaag atgcatgac 420
 tacatcggtc acaatcaatg ttctacaacg gtgcatgacc gtttttgatt ataatgatgt 480
 tgaaacttaa aaatttcaac atcagtcctt aagcgaacgt tgtagtaagc tgtttttttt 540
 ctacatcggt gctatactaa tgactgatgt agaaacattg gttctgcttt ttga 594

<210> 9222
 <211> 590
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9222

cccatcaatt gggctacagt cattgaggct aaatccttag actctttcat agcaccaacc 60
 acataatcaa atttagcgat taagggaaga atgatctttt tcaccacacg aacatctttc 120
 atatcttctc cataacactt catttggctc acaatagcca acaccttggg gccaaaatct 180
 gagatagatt cggattcctt catatgtaat gattcaaact ctctacgtag agtttgtaag 240
 cgcacctttt ttaccttata aacaccttca agggagggtt tcaaaatctc ccatgcttct 300
 ttggatgtgg ntacanttga caccaacact actagaagat gcatgatcta catcggtcac 360
 caatcatgtt ctacaacggt gcatgaccgt ttttgattat aatgatgttg aaacttaaaa 420
 atttcaacat cagtccataa gcgaacggtg taggaagctg ttttttttct aaatcggcgc 480

tataactaatg actgatgtaa aaacattggg tctgcctttt gagggccgat tttctacatc 540
cgtttttaaat taagcaacga tgtggactct tattttctac ctcggtttaa 590

<210> 9223
<211> 192
<212> DNA
<213> Glycine max

<400> 9223

aaatgttttc tgatgcacca ttgaacaaca tttctttcca cttcattggc gatgttgaaa 60
agtggaaata tgtgtatcaa cgcatacttg cgggtgaaaa agaactggga agagatgccc 120
tggaattgcaa ggagatcatg gacctcatca aggcggctgg actgctgaag actgtcaaca 180
aattgggaga ta 192

<210> 9224
<211> 429
<212> DNA
<213> Glycine max

<400> 9224

tctgggggac atcttgactt gctttccaat ctgacattca ccacagattc tgccttcttc 60
tattttcaga ttgggaatgc ctctaacagc acctttgtca atgattttct tcatgcctct 120
taagtgcaga tgtctaaatc tttgatgcca tattttgact tcatcttctt tggagaatag 180
acatgtggag gagtacctgg tttcttgagg tgtccatagg tagcagttgt cctttgatct 240
gctgcccttc attagaactt cactcttctc atttgtcacc aagcattctg actttgtgaa 300
gtttacattg aatccttcat cacacagctg actgatgctg atcaagtttg cagtcagtcc 360
cttcaccagc agtactttgt ccagactagg aagtccatca tggactagct ttccattcc 420
agtgatctt 429

<210> 9225
<211> 244
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9225

ttttcaatta cgagcgcctt gatatattac gggagtcaat cagacatccg agtcaaaaagt 60

tattgtcggt tgacttttct tagagcatcc gcgttcaatt tcgagcgtct cgatatattg 120
catggctcaa tcggacattc gagttaaag ttattctcgt ttgatttttc tcagagcttn 180
cgttttccat tacaagcgtc tcgatatacct atggcacaca atccgacatt cgagtcataa 240
gtta 244

<210> 9226
<211> 400
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9226

acttgatgcc ttggtcaatc tagtaactct tcttgccgta aataaaaaat ctgcaccttt 60
tactgttgca agagtctgtg gtctatgttc ttctgctgat caccatacag atctctgtcc 120
ttctttgcag caatctggag tcaatgaaca acttgaagcc tatgctgcaa acatttataa 180
tagaccttcg cagtagcaaa accaacaaca acagaataat tatgatcttt caaacaatag 240
atacaatcca gggtggagga atcatccaaa tctgagatgg gcaaatacctc cacaacaaca 300
acagcctgtc ccttccttcc agaatgttgc tggccaagc agaccatatg ttcacctnc 360
aatacagcag cnacaacaac aacaagaca acaagtaact 400

<210> 9227
<211> 438
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9227

tggaccagga attattggat ggggtggatg ttgaattttt gttgttcctg gcgcggagat 60
gatggtactg cgggtgaacc acaagctgaa atttcttttg gtgaggtagc catggaaaag 120
cagagacgtt ggaatgattt cgtaaatactc agaaagctat tgggaaatgc tggagaaaac 180
acgaatgcc aagcagatata aatttgaata aagaatgtag aggggcgtgt gaagcaacgg 240
tcgaatttgc tttgtagtga acgtgctatt aatgttaagt gattcgtttg ggcacgttca 300
gattgcagta gctgctataa ttcctctagc agacaaatgc ccagcttgcc tctcagttnt 360
tcacactgat gtgcattcaa agcctttgtg aaaatatctg ctatttggtc ctcagtgtca 420

<210> 9228
<211> 429
<212> DNA
<213> Glycine max

<400> 9228

tcaaaggctt agacaatgga gtataagtgt ttaagaattt ttaaaacaaa tggaactact 60
ccttttaaga gctggactta tggaggagga aagaacaagc atagctaggt tccttagtgg 120
gcttaatatg gaagtgaggg acaagggtga actccttcca tatatggacc tagatgagct 180
agtccaactt tgtataagag tggagcaaca acttaaaaga aagtcttctt taaaatctta 240
aggctttcac tcttatccaa ggaaggacca agccaagga attttggagg ctgcaccttg 300
aaaacccaag gaagataagg gtaagaccat agagaaatcc acccctaaga ctagtccca 360
agaaaggact agcaacataa aatgtttcat atgtcttggc agaagtcaca ttgtctctta 420
atgccccac 429

<210> 9229
<211> 398
<212> DNA
<213> Glycine max

<400> 9229

ttgtaagact taattcacc actctcttaa gttattaagg tctcttgtcc aacacactca 60
acccccaaac acttttgtgc tgaagcaata aacactactt gttatttaca aaacagaatt 120
tatataagac caatcttaaa gaagactccc tatgaattat ggaagggaca taagccaac 180
atttcttatt tccaccatt tggatgtcag tgtttcattc taaacaccaa agataacctt 240
ggaaagtttg actccaaatg tgattctgga atcttacttg gatactttga atcatccaag 300
ggatataaag tgtataactc tagaaccttg actatggaag agtccattca tgtgagaatt 360
aatgacaaca aacctgacac tacaatgtcg gagctaga 398

<210> 9230
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9230

tcagctaaga gaaggtatct cctttctgaa gaaactattg gtgtagcgt ttgacttct 60
gcagnntgg atatcattca cacttaacca ttaattcaga gtattattat atcatgattc 120
ttgactttct gtaatttggt gcacactact gctatttata ttatgtgtct gcgctcttga 180
gactaaggaa tggtcactat agaattaata aatttaagtt ttatacaatc aaaacaatta 240
ttttaaaata ttctaacatc taaaatatcg ttagttacaa atcttttaca tcttttataa 300
atttaagaat tatcatttga gtttgctggg agaaaaatta gtgaacatgt atataagtag 360
aattctataa attcaatact atagcattct taaagtggaa tattctctac atgattaaaa 420
gctagtattc accaatttat at 442

<210> 9231
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9231

ntntggcaaa ggaagaagaa gaattatgag taggaatgta tttttaaata atcgtaaagg 60
ttgtaaagggt taaaagggtt ctcaaaggt gttcaagaag ttgtttgaat gcaagtcaag 120
gtcttgcttt tatagactct tcatgtctgg tccagaaaac cattggaaga gttataacct 180
tgagaaaatc ttgagaaaac cattggaaga gttacatctc ttgacctttt attcaaaact 240
tgtcactggg aatcgattac cataaccatc taatcgatta cacaatgcat tttatgaaaa 300
gatgtgactc ttcacaattg aatttgaatt tcaacgttca gatacactag taaccgatta 360
ccaatatatt gtaatcgatt acaccattta aaaattattt ggaacattgc aaanttagtt 420
taaagctttt tgaatcacat tttatc 446

<210> 9232
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9232

taaatgcatg tgaaggagaa ataaaagaag tggataactt attattatta tacgtactat 60
gatttgtgcc ttgatttcct gtgtagtcaa catcgggtta ttgttggcat ctttgagtga 120
gataaggata tcaaggaaat cctctccatg aattttggac ccttcatccc attctttgat 180
tcgctgctca atgatgggat catgatactt gccacagtt tctatggcct tcttcacctt 240
gccctcatga ccatctaagt caagtcccct caagcaaggg acatagtcag aaactctaaa 300
gtcataaatg tatntaagca ttgtgaaaat ggcataaaga tgttccactt cctcactacc 360
aggccctcca tcctttcttac cctcccccana gtacctccta ctannagtca atttcttcat 420
cacattgcaa caatagt 437

<210> 9233
<211> 441
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9233

ctcaagctnt gaatgctcta ttcaatggag ttgacaagaa tatcttctta ctgatcaaca 60
catgcacagt ggccaaagat gcatgggaga tcctgaaaac cactcatgaa ggaacctcca 120
aagggaagat gtccagattg caactattgg ctacaaaatt cgaaaatctg aagatgaagg 180
aggaagaatg tattcatgac ttccacatga acattcttga aattgccaat gcttgactg 240
ccttgggaga gaggatgaca gatgaaaagc tggttaagaaa gatcctcaga tccttgcccta 300
agagatttga catgaaagtc actgcaatag aggaggccca agacatttgc aacatgagag 360
tagatgaact cattggttcc cttcaaacct ttgagctagg actctcggat agggctgaaa 420
agaagagcaa gaatctggct t 441

<210> 9234
<211> 396
<212> DNA
<213> Glycine max
<400> 9234

tgatggtgtc gagaagaaac acttgtgtgt catcattttt aagggggaga atgtgaatgt 60
atgtatacat gattttgatg atgtcaaaga agaactaac aaggctgctt caatcgataa 120
acatttgctt caagaataat tcaagaatgc ttcaacaaac aaagccttgt ttgaagattc 180

actaaagacc aagccttgcc ttaaaacaaa gtgctttcaa gacatgcaag gctctggtaa 240
 tcgattacca ggaagtgtaa tcgattacca gaagacaggg ttgagaaata gctgttgaaa 300
 aaggttctga atttgaattc tcaacatgta atcgattacc gtatgtctgt aatcgattac 360
 cagcaacgaa actttgaaat tcaattccaa agtcat 396

<210> 9235
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9235

ntccctcttt gaacaaatac ccctcagcca tatagaattc atcttgggcc tttttcccaa 60
 aactctcgta agtgggagag aaatgttcat ctaaagcata caagtcccta atattatcaa 120
 atcctaaaat ttgagctcct agggagctaa acaatgtgtg tctcctagag agggcattag 180
 ctaccacatt tgtttttccc tttttgtatt tgataacata tggaaattgc tttagggtact 240
 ctaccattt tgcattgctc ttgtttaact tgctttgcc tctaattgtac ttaagtgtatt 300
 gatgatcact atgaatgaca aattccttgg aaacaaggta atgttcccaa gtttgaggagg 360
 ctcttattaa ggcataaagt tctttatcat 390

<210> 9236
 <211> 424
 <212> DNA
 <213> Glycine max
 <400> 9236

ctttgaaaat acagggcatc ttgcttat atagtcata gacaaaacat aaaaaataac 60
 agaataaact tccatatgga tttagggtcac aaccaacaa ttcaccacct tgaactaaca 120
 tccatatagg acacaaactg ctccctctaa gcacacaaga acttaacccc aacaatcaac 180
 attgagcaag ctttaagcatt gatcaaacat gctctttgga actggctttg tgaaaatatc 240
 agcaggattg tgcagagtgc tgatcttatg aactttgatt cttctttctg accgaatgaa 300
 gtgatatac acatctatat gcttggttct atcatgatga acctgatcct tggccaagca 360
 tatagcacta aggctgtcac agtagatgtt agcatattct tgattaattc cgagatcatt 420

<210> 9237
 <211> 434
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9237

agcttagcta cacatacctc tctaataagct aagcttttct ccttgagatg ataagctaga 60
 gcttagctac acacccccta taatagctaa gtcaccccc atgacaaaaa aacatgaaaa 120
 tacaaaaaaa aagtccttac tacaaagact actcaaaatg ccctgaaata caaggctaaa 180
 accctatact actagaatgg ccaaaatata aggcccggat gaaggaaata cttattctaa 240
 tatttataaa gataagcggg ctcatactta gcccatgggc tcgaaatcta ccctaaggct 300
 catgagaacc ctanggcctt cccttgatc tctagcccta gcgctgttcg cctatcctcc 360
 accctcaact cttattcaga gacccatgaa ttgattgcct accgctgttt atgtgtccct 420
 caccatcgag tctg 434

<210> 9238
 <211> 412
 <212> DNA
 <213> Glycine max

 <400> 9238

ctaagcttac acttgataat ggagaacaca tgaacagcgc taggtaatga cattcattgt 60
 actccgaaca aaggtggagt atggaggatt gccttgaggg tccgcactta ggcaatcatg 120
 aaactcagct ccaaactcga aagtggagga cacatgaaca gccctaaaca agaacattca 180
 tgtggctccg gaacaggatg agaatggagg attgccttga gggtcctctc ttaggcaatc 240
 atggaacaca gctccagact cgaaaatgga ggaaacatga acatccctaa gcaataacat 300
 tcatgtggct ccggaaaagg atgagaatgg aggaatgcct tgagggtcct ctcttatgca 360
 atcatggaac tcagctccag actcaaaagt ggaggacaca tgaacagccc ta 412

<210> 9239
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 9239

ntactgaaga aagcaatatg tcgtctctgc tgcattatta cagcacctat acctctacca 60
gccgcatcac actcaacttc aaaaggtaaa tcaaaatttg gaataattag cacaggggga 120
gaagtcatga tctctttcat ctctctcaaag gccttgacag cttctattcc ccaagaaaaa 180
atgtctttct tagtcaattc ggtgagaggt tttgctattt taccataatc ttggataaaa 240
tttctataat accctgtgag gcccaaaaaa ccacgtaccc ccttcacatt ctntgggtgtg 300
ggccatgcaa gaatacagtt caccttttca ggggtccattg ccacaccttc tccagaaatg 360
atatggccaa gataatcaat ntgagcacac ccaaacctac actttgcttg atttgcacan 420
aacaatgctc aac 433

<210> 9240
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9240

tcatgatgat gaatcaagtt gattcaagta gttttgatga tgacaaaaag cctaagataa 60
gtttgatttc gagattcaag agaagatgaa ttcaagattc aagagaagaa atcaagaaga 120
cttcacaagg taagtattga aaagatTTTT caaaaaaca acatagcaca attttgTTTT 180
tcaaaagagt ttttctcaaa attttctaag ttaccaaggt ttttactctc tggtaatcga 240
ttaccaatta cctgtaatcg attaccagtg gcaaagtttg atttcaaaag cttttaactg 300
aatttgcaac attctaattg attttttaaa tgggtgtaatc gattacaata tattagtaat 360
cgattacatg gtgggtgtaa tcgattacca gtgacaagtt ttgaataana atcaagagat 420
gtaactcttc caatgggtta taaggTTTT tc 452

<210> 9241
<211> 317
<212> DNA
<213> Glycine max

<400> 9241

ggcatccatt gcacgcttct tgtctcataa aaaatataat ataagctatg ttatcatggt 60

agcatagatg catttagtgt taaccaatga aatacctttt ttgttgcttg acaaattagg 120
 ttgaacttga aaaccagctt aagttggcaa tgttggtaac ttcaatgcaa tagtggtata 180
 aagcaactta taattttctc tgtttattct gtgttggtaa tcagaatgca ccagattggt 240
 ctttcttctt gcttcatacg tgtgcccaca acccaactgg tgttgacacc actgaggagc 300
 aatggagaga aatatca 317

<210> 9242
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 9242

acaacccttc ctttgtgttc agattgcttt acaacaagag acccttggtc tcttaatccc 60
 ttttcagaaa taagatgaag agaagaagaa atctctcttg aaagagatag attgaacaat 120
 ggagcactca aattattcct tattgaattg caagtgtatt ggccaacgaa tttttaagag 180
 gataagacaa ttttggtttt gagaagataa gacctttttg ttcttaaaaa ctctaagcaa 240
 atttgtgttc caaggcacat attaatagac ctttgatggc cattcaaaaa ccatttgaac 300
 agatgtgact cttggaaatt aatttttgaa aatct 335

<210> 9243
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9243

tcaagaatta tggcctcatc aaactacttg tttcccgagg gaaattctat aaatagacct 60
 cctatcttta atggagtggg ttaccattac tggaaaaccc gcatgcaaatt ctttatagag 120
 acaatagatt taaatatttg ggaagccata gaacaaggac cttatgttcc ctctataata 180
 gccggaagtg caacaataga aaaacctaga gcagactgga ctcacgaaga aagaagaata 240
 gtacaatata atttaaaggc gaaaaatatt attacatctg ccctaggaat agatgaatac 300
 tctagggttt caaattgtan aagtgctaag gatatgtggg atacactaca agtaacacat 360
 g 361

<210> 9244
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 9244

agcttaagct ccttcaactg cacaaggctc ttaatatttg aagagtatcc ttgtggaacc 60
 ttcacccgac aaagacactg acgaaaactt atcttctcct ttttggaata agtatgacaa 120
 gctgggtgca agtaaatttt attcccatca gaccttgat gcaactgtga tcgtatcccc 180
 atatcagcta gatcttgacg ggtattcaag ccaccccttg tctcaccttg aatcttaagg 240
 agtgtcccaa tcacactatc acatacattt ttctccacat gcataacatc aatacaatgt 300
 ctaacgtcta gatcagacca gtacggaaga tcaaagaaaa tggacctctt ctttcatatg 360
 caactggtag ttttatc 377

<210> 9245
 <211> 259
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9245

tctcgatata ttatgcgcct gaatcagact tccgtttcaa tagttatgac catatgaatn 60
 tctccactgt attccgtgtg acaagttatg accatttgaa tttctcgata gcattcgatg 120
 ttcaatttcg agcgtctcga tatattatgc gcctgaatcg gacttccgtg tgacaagtta 180
 tgaccatttg aatatgtcga gagcatccga tgtagattt cgagcgtctc gatatattat 240
 gcgcctgaat cagacatcc 259

<210> 9246
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 9246

agctttctga tatattatgt gcctgaatcg gacttccgtt tgaaaaatta ttaccatttg 60
 aattttctga gagctttggc tggtcagttt cgagtgtctc gatatattat gcgcctgaat 120
 cggacttttg tgtgacaagt tatgaacatt tgaattttctc gagacctttc ggttctcaat 180

taagatcgtc tcgatatgtg atgcgccaga atcggacttc cgtgtgacaa gttatgacca 240
 ttggaattta tcgagacctt ccgatcttca atttcgaggg tctcgatata ttatgtgcct 300
 gaatcggact ttcgtgggac aagttatgaa cattggaatt tctcgagacc attcgttggt 360
 caatttcgag cgtctcgata tattatgcgc ctgaatcgga cttccgtaga caggta 416

<210> 9247
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 9247

ggagctcggg gtctttctga agttcctcag ctgacttgta gtagaatgag acatattctt 60
 ccaccaaga cttgatagca tcccatatct ctagcccatc agaagcataa ggatagtcct 120
 cgatcaaaag tctaactcca tggggagcag atggatcctt aacagcaact cctctgaatt 180
 aaaagcacc aaataacatt gattagcaca agagttatat caagcctgaa gccctttttc 240
 ttcttatgtc attgatgact ctttatatga tgcattcatg tgttcccca ttgtatgcac 300
 tttgtgattt cttttgtctt ttttaatttac tgtcaaacac aaaactagag ctgaatcgga 360
 acaagaaact atttccaaca caaaagactt gagctgaatc caaacaacaa aaacaatatg 420
 gcttgaaata aaaaaataa aa 442

<210> 9248
 <211> 349
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9248

agcttctca tggcnttctt gagaaacttt ctcaagaggc ttctttgaga agctaacgct 60
 ntaactacta acacccttct aataactaaa ctcacctcct tgaaaataat tacagataaa 120
 ataacacaac aaatataatc aaacatcaaa cataattact aataatatat agatatatat 180
 atcaggggtg tacaactctc ctaccttttt aaaaatttcg tctcaaaat ttaccttact 240
 caaacaagga tggatgagct tctcgcatth gactctctag ttcccacgtg gcattctctc 300
 ctgatgcacc tccctagatc accttgacca acggaatctc tttccctct 349

<210> 9249
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9249

taggcatag atacaagaga atgccctagg attctcatga gccttagggg aaattntggg 60
 cccacagact aagtatgagc ccacttatct ttgtacatat tagattaaag tttcattatt 120
 ttttgtcctt gtatttaagg ctccattgtg tagggagggt accctattaa tgtagaattt 180
 ttcagccctt gtattttatg gcacctacac taatatttgt attaagggtg gttttgtaat 240
 ttcacatgaa ttaagtgcac tattttatgt gtgtgttggg agataaattt aattgaattg 300
 ggaaaagccc aatccaatcc a 321

<210> 9250
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9250

gcccgttgt tgtccctgta cacggttccg gtaatggtg cattgacggc accggtgggc 60
 atgctcactt ggctgccacc ataagtgtg acattaagtt gcagcctttt agagtcacatca 120
 ccggcttggg tctgaacggg gttggtgaga gtgtcgaagt tggagattga gaggaaggaa 180
 gaaagagtgt gaaattgtaa aagttcaacc ttttgctgt cgttgagtga gttgaggaat 240
 cctgctttta gctttgagaa ggcagaatca ggtggggaga aaatggtcaa tccccagaa 300
 cctgacgtga ggagttgaga gttgagttgg ttgatcaact gggtcgtctt cagaagccga 360
 atcagaacag anaatctctt ggccttactc acgatttgag 400

<210> 9251
 <211> 340
 <212> DNA
 <213> Glycine max

<400> 9251

agcttcactt gaaattaagt atttaattat atggttcttg atttaatcac tattttctct 60

ccccctttgg catcaacaaa aagccaaact acgtaagaaa tataaaacat acataaatga 120
 ctaatcatac aagagaatat aaaataatta aacaagataa tttaactatt catcaaactt 180
 agaaaggtaa gaaatataaa aatcatacat aaatgacata caaaataata gaaaacaatc 240
 aaacaagata acttaacat tcatcaatct tagaaagata atacttaata gaatgtcata 300
 taatccagaa agttattcat attaaccaa taaaactact 340

<210> 9252
 <211> 323
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9252

agctnggact tcctgtgttt tgggaacctc tccttcctca ggtgtaccca aacccaatca , 60
 cctggttcaa gcacgacttt ctttctgctt ttgttggtt gccttgcata gctcgcatth 120
 ttcttttcaa tttgaacctt cacttgctca tgcaacttct tcacatactc agctatagcc 180
 tgtgcatcct tatgcttaaa catagcaatg ttaggcatag gcaacaaatc aagaggagtc 240
 aaaggattaa atccatacac tatctcaaat ggtgaacaat tagttgtgct atggacagcc 300
 cgattataag caaactcaac atg 323

<210> 9253
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 9253

agcttgaatt tccttttagt atggaatcta tccttcctaa gctggagcca aaccctgtca 60
 ccctcattaa gaactagctc ttttctttct ctattgcctt tagttgaata cacctttgtt 120
 tggttcttta tttagttctt aaccctctca tgcaacttct ttacaaactc tgacctagat 180
 tccccttctt tatgtataaa agaagtgcct agtgggatta aacctataga caaccttaaa 240
 aggggactgc ttggtggttc tatgaacccc cttgtttag gaaaattcta catgaggaag 300
 atactcatcc caagacttat gggtgccttt cagaagatcc cttaaaaggg tggataaaga 360
 cctattcact acctcta 377

<210> 9254
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9254

agcttatccc atgctcctt agcagatggt gcataagaaa tcttctcgaa tgcattcattt 60
 tttaatgctt gatagatgag gaagagagct ttattgtctc tctttcttga gtcctttaat 120
 gtctcctttt gtacttggga tagtgaagtc tcatcttggt actcctttta gcatttttca 180
 accatttccc aaacatcatg tgctccaaga agggccttca ttttgatgct ccaattgtca 240
 taggtgctcc cctttagaag tggaacttga aaggataccg cttcattgct tgccataact 300
 atataggaat ttcttatcag aacctaaagt ctgataccac tntgttggaa agaataaggt 360
 tataggaagt atttaagaga catggaggag gggagaatat ctgaaagaga gctagtttta 420
 tgacttgaga aatgtttt 438

<210> 9255
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9255

ngaaggcaaa ctggatgcat tggttaactn ggtaacccaa ctggccttga atcaaaaatc 60
 tgtacctgtt gcaagggttt gtggtttgtg ctctctgtgt gaccaccata cagacctttg 120
 cccttccatg cagcaacctg gagcaattga gcagcctgaa gcttatgcta caaatattta 180
 caatagacct cctcaacatc agcagcaaaa tcaaccacag cagaacaatt atgagctctc 240
 cagcaacaga tacaatcctg gatggaggaa tcaccctaac ctgagatggt ccagccctca 300
 gcaacaaca 309

<210> 9256
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9256

ntatacacct tgtgcagtta tcctctattc ggttggacct attgtttctt ctaatgttct 60
 tttagaaaca aaatgcaatt gtcttaaatc tcatttttgg ttatgggaaa ttccatctgc 120
 atgctttcat tccccataag tcgcattgtt tttttttaa aatgtgtgtt cttctgatcg 180
 gtttatgggt ttgtttcttt actaagcgtg ttcacatttt agtgagagat ttcaagacta 240
 caatgtcttt tgttttacat ttcaagactt caatgtcttt tgtctttata ttttcaagac 300
 ttcatgtccc tctatcttta catttcaaga cttcaatgtc tttttgtctg tacattttca 360
 agacttcaat gtcttctgtc tttacatttc aagacatcaa tgtgttctgt ctttacattc 420
 tagagacttc aat 433

<210> 9257
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9257

tttttgtaat aggattaaat actctgtatc ccttttggtt tggagaatat ccaacaaaaa 60
 tgtacttttc tgcccttggg tccagtttag accgagatat ggaggggtgta tgcataaaaa 120
 caatacaacc aaacactttt aaaggcattt cagtatgtaa tcgacatgct ggaaaaattg 180
 ttttgaaagt gtccaaagggt atgcggtaat ttaacacacg agtgggcatt ctatatataa 240
 ngtaggttgc tgtaggacg gcatcccccc acaaatattt tggaacatta ctctcaaaca 300
 tgatggcaca ggctacttca aggagatggt tattttt 337

<210> 9258
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9258

tatcacgata canagctgtt gaagagagac ttcaaaccag gacaacatgt attacttttt 60
 aattcaagat tgaaattatt tcctggtaag ttgaaatcca aatggtctga acctttcatc 120
 atcaggaaag ttcggcctta tgggtgcaata gagttgtatg atccacaatt tcaggacctt 180
 gactgaacat ggttggtgaa tggccaaaga ttgaaactgt accatggtgg agagtttgaa 240

aaggcaaaca ccatcttaaa tttgatataa cccattgagg tatatgcgtc aggctaata 300
 cgtaaaga gcgcttctg tgaggcaacc caactctgat ttctttcatt ttgtttttca 360
 tg 362

<210> 9259
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 9259

agctttcaac tttcctattg aattagctat aaacctttgc gtgaaattga tcttccaat 60
 ccgactttga agctccttcc tattctgagg tggccttgct tccaacaatg ctttagcttt 120
 atttttatct acctcaattc ctctttgatg gacaaggaaa cccaaaaatt ttcctactaa 180
 tactccaaaa gcacatttct catgattcat tttaagcgta tgaaacctca tccttaacaa 240
 agaatctttt agatcgccca agggctcttc aaaatcgatt gactttgcaa ccacatcatt 300
 aatgtaaacc tccaccaatt taccaaccaa ttcattgaaa atagcattca tagcccatg 360
 ataaatggct cctatgttct ttaaaccaaa tgacattacc aaccattcat agatcccaag 420
 cgtttgtgga catcgaaa 438

<210> 9260
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9260

atggtcataa ctnttctcac ggatgtccga ttcaggctta taatatatcg atacgctcga 60
 aattaaacat cggaactct cgcgaaattc aaatggcat aacttttcac acggatatcg 120
 gattcgggta cataatatgt ctagaagctc gaaattgaac aacggaagt cttgagaatt 180
 caaatggcca taacttttca ccggatgtgc aattctggcg cataatatgt tgagaggctc 240
 acaattgaac aacggaagct ctcgagaaat ataaatgggg ataactcttc acacggatgt 300
 gcgattcagg cgaatcacat atagagacac t 331

<210> 9261
 <211> 412

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9261

agctntgagc aaattcaaac gaaaataact ttttaactcag atgtctgacg gagtcccaca 60
atgcatcgag aggcacgaaa tataatacag aagctgtgag caaattctat cgacaataac 120
tttgtaccct gatgtccaat tgagtcgctg tatattcgag acgctcgaaa ttgaatacag 180
aagctgtgag ctaattctaa cgacaataat attttactcg gatgcccagc tgagtcacgt 240
aatatatcga ggcgctcgaa atagaatata gaatctgtga gcaaattcta tcgaccataa 300
ctttctactt ggatgtccaa ttgagtcacg ttatatctcg agacgctcta aattgaatac 360
agaagtcttg tgcaaatcta acgacaatat ttttactccg atgtctaatag ag 412

<210> 9262
<211> 317
<212> DNA
<213> Glycine max

<400> 9262

tcaacattca atatcgagcg tttcgatata ttacaggact aaatcagaca tccgagtaaa 60
aagttattgt agtttgaagt tgttcagagc taaggcattc aagtccgagc gtcttgatat 120
actatgggac tcaatcagac atccgagtaa aaagttattg ccgtttgaat ttgctcaaag 180
cttcggtctt caatttcgag cgattcaata tattgcggga ctcaatcgaa catacgagta 240
aaaacgtatt ggcgggttaa tttgctcaga gcttcgggtat tcaatttcga gcgtctggat 300
atattacggg tctcaat 317

<210> 9263
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9263

agcttctact ctnttggatg cttaaaaata actnttatcc aacaaatttc agttgatgtc 60
ttaaacatga tgaaatttgg ttaaaagctt aaaaaataaa gccaaaatgg ctaaagttaa 120
actgttccaa actttattat cattttgtgt caaaaaact ttattattat tttaatcaga 180

ataaatgggtt agaatgtggtt tatttcaagg attaaaattt tatcccagaa aatattttgt 240
gaaacaaacg ttccattggtt attgttttca ttatttataa tatttttttg caataattat 300
tactttaatc tcttataaca aatattttatt gatatcaatg atgcactttt atattataac 360
ttgctaactt gacgtgatca aacagatata tagattataa aa 402

<210> 9264
<211> 401
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9264

cagcttgagc aaattcaaac aacaataact tttgaatcgg atgtccgatt ctgtcccgtg 60
ggatatcgag acactcgtaa ttntaaacgg aagctctgag aaaaatcaaa cgacaataac 120
ttttaactcg gatgtccgac tgagccctgt aatatagcga gacgctcgaa attgaaaacg 180
gaagctctat gaaaagtcaa acgacaataa cttttgactc gaatgtccga ttgtgtcccg 240
taggatatcg agacactggt aattttaaac ggaagctctg agaaaaatta aacgacaata 300
acatttacct cggatgtccg attgagccct gtaatatatg gagacgctcg aaattgagaa 360
cgggagatct tgaaaagtca aacgacaata acttttaact c 401

<210> 9265
<211> 398
<212> DNA
<213> Glycine max
<400> 9265

agcttccggt ttcaattacg agcgtctcga tctctacgg gacacaatcg gacatccgag 60
tcaaaagtta ttgtcgtttg aatttgctca cagcttcagt tttcaattac cagagtcttg 120
atatattacg ggactcaatc agacatctga attgaaagggt attgtcattt gacttttcat 180
agagctaccg atttcaattt cgagcgtctc gatataataa agggctcaat cggacatccg 240
agttaaaagt tattgtcggt tgattattct aagagactta ggtttcaatt acgagcgtct 300
cgatattata cgcgacacaa tcggacatcc gagtcaaaag tattgtcggt tgatatgcgc 360
agagctttaa ttttaaatac gagcgtctcg atatatta 398

<210> 9266
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 9266

gcttaacatc agaccacttt cgggtgctgg aactacttca catggacttg atggggccta 60
 tgcaagttga aagccttggg ggaagaggt atgcctatgt tgttgaggat gatttctcca 120
 gatttacctg tgtcaacttt atcagagaga aatcagacac ctttgaagta ttcaaagagt 180
 tgagtctaag acttcaaaga gaaaaagact gtgtcatcaa gagaatcagg agtgatcatg 240
 gcagagagtt tgaaaacagc aagtttactg atttctgcac atctgaaggc atcactcatg 300
 agttctctgc agccattaca cccaacaaa a 331

<210> 9267
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9267

agcttcttag tttcagatga tgcagctgag tttgtagcta cctcatgcac tcctctaagt 60
 actataacat catttctggc gctaaactgc tgggagttgg aagccatctt ctcaattaaa 120
 tttctggcct cagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180
 cttctctcca tattactgag tccttcataa aaatattgga gaagcaactg ctctgaaatc 240
 tgatggtgag ggaaactgac acatagtttt ttaaactctt ccagtatctc atacaggatc 300
 tctccactga gttgtctaata acctgagata tccttctctga tggctatggc cttggaagca 360
 ggngaaatnt tttctaagaa tactctcttc aagtcatccc agctcgtgat ggaccttggg 420
 g 421

<210> 9268
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 9268

agcttaagag agtccatcct ttgtgatata caaagtactt atgagagatt agaacttaat 60

tgtaaattca ctcattaagt gttataatta atatataatt ctatatcaaa cttttgtttg 120
 tgaaaaccaa tagtgactga tgcaatccta ccccgtagag aaggccttag gggttctcatg 180
 agtccttaggg tagatttcgg tcccatgggc taagtttgag tccgcttafc tttgtacata 240
 ttagattaag gtttcattat ttttgggcct tgtatttagg gctccataaa ataggtaagg 300
 taccctagaa atgtaggatt tttcagctct tctatttttag ggcacataga ctagtttttg 360
 tattaagggt agttttgtaa tttcacatgc attaagtga tttcgatgt gtgtgggtgg 420
 aaataaa 427

<210> 9269
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9269

cctccataag aaaattcttt gtcttctccg catcataaaa gtntgattct ctagttacac 60
 gctctacctc ctataattgt ccagtttttag cagcggcctc aatgtacttg aagtgaatat 120
 caggatcctc actttacaag acagaacaaa aaaaattaca gtaattgaaa aaaaaaaagt 180
 caagcagacc aactagtga ctgaggtcat gttcactctc caataaaaaa gaaataacctg 240
 gagctcaagt atgcaccaa gaaaaagtat agtccttcat aggatttgaa ttgctcaaag 300
 agtttaatgc atgcatcaac acccaactgc tcagaatatt ccttagcagt ctgcaaacca 360
 tgtactagta agaatttctt atagatgaat tgcggaattc aaaaaataaa atagaacatg 420
 actctta 427

<210> 9270
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9270

agcttatgac catnttaatt tctcgggagt ntccattggt caataaccaa tgtctcgata 60
 tattatgcac ctgaatcgga aatccaagtg aaaagttatg accattttta tttctcgagg 120
 gatttcgttg ttcaattttc agtgtctcca tatatggtgt gcctgaatcg gacctccgtg 180

tgataactta tgaccatttg aatttcttga gagatttcgt tgttcaattt caagcgtctc 240
gataaatgat gcgcctgaat cggacatcca agtgaaaagt tctgaccatt tgaatttctc 300
gtcggctacc tgtgtcaaat tcgagcatct cgcattgtgat ggctgaatc gacctc 356

<210> 9271
<211> 284
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9271

tctagaggct nggattatct accccatttt cgatagtact tgggtaagcc caatccaggt 60
ggtaccaaag aaagggggca tgacaatcat tcagaatgaa aagaatgacc taatcccaac 120
aaggactttc actgactgga gaatatgcat cgattaccac aagctcaacg aagccacgag 180
gaaagaccac tttctttttc ctttcatgga ccaaattgtg gataggcttg cgggacgggc 240
ttattactac ttcttgtatg gatactttgg atataatcaa atta 284

<210> 9272
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9272

ntatacgctt tgtgcggttt tctctatttc gattagacct agtgtttctt ctaatgctcc 60
tttagaaatg aaatgcaagt gtcttaaata tcatttttgg tcatgagaaa ttctatttgt 120
atgctttcat tctccttca tcgcattttt ttatataaaa aaatgtgtga ttgatctgat 180
cggtttgggg gtttgtttct ttaccaagcg tggtcgcatt ttagtatttt agtgaaaact 240
tttagagact tcaatgtctt cagtctttac attttcaaga cttcaatgtc tccagtcttt 300
acatttcaag acttcaatgt cttcagtctt tacatttcaa gacttcaatg ctttctgtct 360
tttacatttc aagacttcaa tgtcttcagt cttha 395

<210> 9273
<211> 418
<212> DNA
<213> Glycine max

<400> 9273

agcttgtttg ttagaaagac ccaacgcttt ttacctatct gatgcaatcc taccccgcaa 60
gggcattggg tagaagactc caagtcgatt gggctagaga tccaagggaa ggtcctaggg 120
ttctcatgag ccttagggta gatttcgagc ccatgggcta agtatgagcc cgcttatctt 180
tgtaaattatt agaatagggt tttccttcct ctgggccttg tattttggcc attctagtag 240
tataatgttt tagccttgta ttttggggca ttttgagtag tctttgtagt aaggactttt 300
tttttgattt ttcattgttt ttgtcatgga ggtgagctta gctattatag ggggtgtgta 360
gctaagctct atcttctcat ctcaaggagg tgagcttctc tattagagag gtatgtgt 418

<210> 9274

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9274

caaactggga naagaagtag ccacaaacaa aaacatagct gaagaagaga gtgattgtcc 60
aatcacaaca tcaagtagac gtcgtcttta tcttcccga aggatcatgc atattattcc 120
tattgcacat tcgtctgaaa atcctaattc aaaccacaat ggttgatgat agaaacatgt 180
ttccctatat gaaacgccta gagagctcta tggaaagctc agactntcaa gaaggatgat 240
acttgatcat aagtcaaaca agtatctgaa ggtgttacia caattaatca atcaactaga 300
gaaagagagc ttcatatatc atggaggatg agccaaggaa tagcggatga aanaataatn 360
ggtactaatt tgatcatgga 380

<210> 9275

<211> 255

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9275

agcttggtgt attccaagtt gattaatcat acctttaagc cagattgctt ccttcactcc 60
ttcagctatg gccatgtatt ctgcttcagt tgttgtaaga gcaacaactg attgttgatt 120
tgctttccaa ctgattgttg taccaaacan agtaaacaca tctcctatta aggacttcct 180

tgtgtctaca tttcctgcaa aatctgcac tacatagcct gtgactgctg gctcgtgtgc 240

tgtcttcttg tacct 255

<210> 9276
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9276

tctaactgag gcagccaaca naataaatgc aagataaagt tctttcctga agagacgaat 60
tttcttcgtc ttcccagttt tttttgacaa ttctagtttg cttagttcct caatgcctga 120
atctgaggat gatctatgaa gactattaga tcgcattaga ggctcagctt ctttctcaaa 180
ggcaacaaaa tcagtctcag acgatcttcc caactttttt gtaaccaccc actcgtgaaga 240
acttccaaag cgaagtaatc cagatatcat ggcattaaat ttagttaccg acatagtgtt 300
ctcaaataga aggtaaggaa ctataaacgg aaatgaccgt ggagctggta gaacacttat 360
gagggacatg att 373

<210> 9277
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9277

agcttgtcca taaaaatagg tttttgaagt tcatcatttc aatttctcat taagtaaaat 60
ggatcatttt caaggtccaa cgccttaaaa tgatcacctc ttaagtaaaa aaaagagtcg 120
cttgataagc aagaactacg taggtctgat ttctcatcg caattgagga tacgtangag 180
caaaagcccc gcttttgtcg accaccccaa gagatcgta atggccaat gccttaacgt 240
ttctctcctt tcaaaaacaa gagatcgta atggccaac gccttaacgt ttctccctt 300
tcaaatcaa aagaccgtgt aatngtcaa caccttaaat gacccttgt tcaataaaaa 360
catattttgc gaaaaagata aaacacctaa ccaacact 398

<210> 9278
<211> 374

<212> DNA
<213> Glycine max

<400> 9278

agcttgtgtc acactetcaa ctgccgaagc taaatatatt gccgcatgaa gatgttgtgc 60
tcaaagtctc tagatgaagc aacaactaca agactttaga gtaaaccttg atcacattcc 120
tctaaaatgg gacaacacac gtgttatcaa tctaaccaaa aaccctgtca tgcattttat 180
gactaagcac atagaaatta ggcatattaa atgcatcaag catagaataa cattctgttt 240
gtacaagtat gtgattcaca ttgctattca tatcattttt tttgtttagt ttgtgtctta 300
cttattgatt tatgtgcata ctcattagtt tgtttgaata tcacatgttt ttcttagtaa 360
tttcgtgatt tctc 374

<210> 9279
<211> 383
<212> DNA
<213> Glycine max

<400> 9279

agcttgaagg aaaacttgat gccttgggtca ttctattaac ccagcttgcc atgaataaaa 60
aatctacacc tgttgcaaga gtttgtggtc tatattattc tacagatcac cattcagatc 120
tttgtccttt ttgagcaaa tttggagtca atgagcaact tgaagcttat gctgcaaaca 180
tttataatag acctcaatag tagtgaaacc aacaacagca aaataattat gaccttttaa 240
gcaatagata caatccaggc tggaggaatc atccaaatct aagatggaca agtcctccac 300
aacaacaata gcctatctct ccttttcaga atgctgctgg tctaagcaag ccatatgttc 360
ctctccaat acaacaacag tag 383

<210> 9280
<211> 325
<212> DNA
<213> Glycine max

<400> 9280

tcatgcttaa catgtatggc aaaactttat tattgttgtt caagacatac aagtgagctt 60
gttaciaaatc ttctacactt ggagtgatca cctgcagtcc tcttgaacct ttaccacca 120
ctctgtcatc atgccgacac tcaagaagcc caataggttt agccttctct aagtattctg 180

aaaaaaattc aatggcttct tctgcaatgt acctctcaac aatagatgct tctggacgat 240
 atagattctt tgtataccct ttttaagatct tcatgtatcg ctcaaccggg tacattcacc 300
 gttgataaac acgaacacaa cttt 325

<210> 9281
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 9281

agcttatgtt cataactatg gtatggtttt ctaatcttga aacttacaaa acagttatga 60
 ataagtatgc agccatgcag gtacataatg aaacagtatc gatagcaatc actgcaaagg 120
 gaagttgatt gtaattaccc tttagaagtt ttatcatgag tccaccagtg gccagtgttg 180
 aagacgagaa tatctgcac tttatattga gatgaagatt taccaaccaa atcgagacga 240
 agtgtttcct tctttgtccc attcttatca gtcatttccc cttcttgaac caagaatgga 300
 gacacaaaaa gctccacgga gaagtgataa tcctattgag ataccaaacc agctctgtga 360
 ggtaaagaat aataaatcaa ag 382

<210> 9282
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 9282

cttgagcaat tcaatgggtca taactataca ctgagttttt cgattcaggc gcataatatc 60
 tcgagacgct cgaaattgga caatggaagc tcttgagcaa ttcaaattgt cataactttc 120
 aactgggagg tgcgaatcat ggcattata tattgacatg ctcgaaattg aacaacggaa 180
 gctcttgaga aattcaaattg gtcataactt tacactcgga tgtccgattc aggcgcataa 240
 tatttcgaga cgctcgaata tgaacaattg aagctcttga gcaagtcaaa tggtcataac 300
 ttttaacttg gatgtgcatg tcatgcgctt aatatatcga gacgctcgaa attgtacaat 360
 gg 362

<210> 9283
 <211> 371

<212> DNA
<213> Glycine max

<400> 9283

agcttcatga gagagtcaaa gatcaaattt ataggaaaag taaaagctat gctaaacaag 60
ccaacaaagg gagaaagaaa gttgtcttct aaccgggaga ttgggtttgg gtgcacatga 120
gaaaagaaag gtttccggaa cagaggaaat caaagcttca accaagggga gatggaccat 180
ttcaagtgtc tgacagaatc aatgacaatg cttacaaagt tgagctgccc ggtgagtata 240
atgttagttc caccttcaat gtctctgatt tacctctttt tgatgcagat ggagaatccg 300
at ttgaggac aaatccttct caagaggag agaatgatga ggacatgacc aatagcaagg 360
gcaaggatcc a 371

<210> 9284
<211> 355
<212> DNA
<213> Glycine max

<400> 9284

agcttctcgg tatattatgc acctgaatat tacctccggg tgacaagtta tgaccatttg 60
aatttctcga gagcttccgt tgttcaattt cgagcgtctc gatatcttat gcgcttgaat 120
cggacctccg agtgaaaagt taagaccatt tgaattgctc aatagcttcc actattcaat 180
ttctagcgtc tcgatatatt atacgcctga atcggacctc cgagtgaaaa gttgtgacca 240
tttgaatttc tcgagagctt ccgttgttca acttagagcg tctcgatatt ttatgcgcgt 300
taatcagacc tccgagttaa aagttatgac catttgaata tctcgagagc tttcg 355

<210> 9285
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9285

tcttcttcaa taaaccgttt aaaaaggcac tcttatcatc cttttgaaaa agcttaatgt 60
ttttgtgagc aacaaaggct aaaatgattc ttataacttc aagtctagca acatgaacaa 120
aggtttcaga gaaatctata actttntggt gattatatcc tcaagctact aacctagctt 180

tggtgcatac tacttttctt tggtcatcca acttggttct gaagattcat cttgttccaa 240
 tgggtgctctt nggttctggc attggaacaa atgtccagac atcatttttg ttaaactgat 300
 tcagtttttc ttccattgtg attatttagt catnttttat caaagctttg tctatagttt 360
 taggtttgat ttcaaacaca tgggtcttga atga 394

<210> 9286
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9286

gctttatagc tnggttagtt nctatggagg tgtgtaatga tttatctcct aggttgcacc 60
 tcttaatgaa attgttaaga aaaatgtggg ctttaaattg gggcgggcgg ggagagggac 120
 aataacatgc atttgcctca ctcaaagaaa aattgactcg tgcacctatt cttgcattgc 180
 ctaattatgc aaaatctttt gaaatcgaat gtgatgcac taatgtgggg atataggttg 240
 gtttgattca agatggacat tccattgctt attttaagga aatgataaat ggggggttgc 300
 ttagttattc acatatgata atgagttgat gccttggtta tagccttaca acttggcaac 360
 atttcttttc ccaagagtt 379

<210> 9287
 <211> 339
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9287

tctatagaag gtcgttccta atttctctac aattgcatca cctctcaatg agctggtgaa 60
 gaagaatgtg gcatttacct gnggtgaaaa acaagagcaa gcctttgctt tgctcaaaga 120
 aaagcttact aaggcacctg ttctagctct tctgacttt tctaaaactt ttgagctaga 180
 atgtgatacc tctggagtgg gagttggagc tgtattgtta caaggtgggc accctattgc 240
 ttatttttagt gaaaaacttc atagtgccac cctcaactac cccacctatg ataaagagct 300
 ttatgcctta ataagagccc tccaaacttg ggaacatta 339

<210> 9288

<211> 313
 <212> DNA
 <213> Glycine max

<400> 9288

tacttggatg acctccaatt tgtggactct tccatttatt gtccatatgg ttttcttgag 60
 gatgatcttg tcaagggtgaa taaatttatt tttctggcca actttgtagt gatggacatg 120
 gaaaaggact ccaaagtgcc acttaatttg gaagaccctt ctagaacacc actaagattt 180
 tggttaatgt gcatgatggt caaacaagc ttagtgtcat ttgatgaaga gatcacattc 240
 aatgtgtttg agactatgaa tcacctatta gatgagaaat cttatcttct gatggatggt 300
 cttgatgatg ctt 313

<210> 9289
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 9289

agctttgagc aaattctaag gacaataact ttttactcgg atgctcgatt gagtcccgt 60
 atatatcgag aggctcaaag ttgaaagccg aagctcctag ccaattcaaa tgacaataac 120
 tttcaactcg gatgtccaat tgagtcccg aatatatcga gacacgcgaa attgtaaata 180
 gaagctctag tcaaatttta acgacaataa ctttttactc gaatgcccga tagagtcccg 240
 taatatatcg agaggctcaa aattgaaaac agagtctcct agcaaattca aaccacaata 300
 agttttgact cgtatgtccg attgagtgcc gtaatatac gagacgctca aaatataaaa 360
 ttaaagctt 369

<210> 9290
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9290

agcttcctta agaagattct taaagttttt agagcttagc taaacacacc tctctaatag 60
 ctaagctcac ctcttgaga tgagaagcta gagcttatct acacaccccc tataatagct 120
 aactcatccc catgacaaaa tacatgaaaa taaaaaaaaat tctctactac aaagactact 180

caaaatgtct cgaaatacaa ggctaaaacc ttatactact agaatgacca aaatacaagg 240
 cccaaacgaa gcaaaaacct attctaatat ttacaaagat aagcgggctc atacttagcc 300
 catgggctcg aaatctatca taaggctcat gagaacccta nggccttccc ttggatctct 360
 ggtccaatct acttggaat 378

<210> 9291
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 9291

agctttttaa ccttgagttt tatgaatatt attttattgg aagtattcct cctgagctag 60
 gaaatttatt tctgttgagg actctgaggg tctatcacia taatttgaat tccaccattc 120
 catcttccat tttccactag aaatcgctaa cacatttagg actctcagag aatatattgg 180
 aaggaacaat attctctgag attggatctc tgaattcctt acaggctcta accctgcatt 240
 caaatgcttt aactgggaag atcccttcat caataacaaa cttgacaaac ttgacctatc 300
 tgtaaatgag ccagaatatt ctttttaggtg aacttgctcc aa 342

<210> 9292
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9292

tctcacaatt ctncccaatc ttctgggaat aaccctactt aactgattaa aagacagatt 60
 caccctctta agcctcccta caaaaccggg aacagaacca ttcaattcat taccagccaa 120
 atcaaaacct ccaatctctc aagagacca attgaactag gtatctctcc aacaatccta 180
 ttaaacccca gattcaaaac cctcaaattc ttcaagccat cgactctcaa gggaagatag 240
 ccactaatca aattcccttc ttaatcgaga acctcgaggt tctccatgcc ccaaatcgct 300
 ttcgggattt cactctcaa cgcgttgaag gggagagaca aaaccctaag ctccgtgagc 360
 tcggcgatca aactcagaga agaaacattt tcgaag 396

<210> 9293

<211> 407
<212> DNA
<213> Glycine max

<400> 9293

ggatccttga gtcacctgcg gcatgcaagc ttgaaaaaca taagtagttt cagccttagt 60
tttaatagga aatatccaag tatatctgga aaaggcatca ataaaggata cataatactt 120
gaaaacagaa tagtaagtta aatgagatgg tccccacaga tctgtaaaaa aaagttctag 180
gggagagtaa acagaagtag aagaatgaga tggtagcctg tgagacattc ccaagcaaca 240
agaagcacia aagtctgaaa aaaatttatt atatgaagaa atattacact ggttgaagac 300
tagcttcatt acatgactat tgggatggcc taacctagca tgccaaagac taacagtgct 360
aggaggagaa ataacagaac tggaagctac actagaattt ttattaa 407

<210> 9294
<211> 369
<212> DNA
<213> Glycine max

<400> 9294

agcttgtaat cgattacaca catactgtaa tcgattacca gaggagattt tcagaaaata 60
ttctcaacag tcacatcttt tcatttggtt ottgaatggt catcaaaggc ctatatatat 120
gtgacttgag acacgaattt gctaagagtt tttctgaaca acaagtgttt attctctcaa 180
aaagcaaaat cgttttatcc tcttaagaat tccttggcca attcaattgc aattcattaa 240
ggaatcattt gagtgtcag attgtaaaat ctatctcttc aagagagatt cattcttctt 300
ctctttctaa ttcactaagg gattaagaga ccgagggctt cttgttgtaa aagaattcta 360
aacacaaag 369

<210> 9295
<211> 362
<212> DNA
<213> Glycine max

<400> 9295

ctttcagcaa attcaaacga caatactttt ttctcatat gtctgattga gaccgtaat 60
atatcgagac gatcgaaatt gaattctgaa gctctgagct aattcaaacg acaataatga 120

tttgctcgga tgtctgattg agtcccgtaa tacatcgaga cgctcgaaat tgaatgttga 180
 agctctcagc aaattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgta 240
 aaacatcgag acgctcgaaa ttgaatgttg aagctctcag caaattcaaa cgacaataac 300
 atttttcctc agatgtctga ttgagacccg taatatatcg agacgatcga aattgaattt 360
 tg 362

<210> 9296
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 9296

tcaacattca actctagcgt ctcgttatat tatatgactc aattagacat ccgattaata 60
 atatattgtc gttggaattt gctcagagct tcaacattca atttcgagcg tgttgatata 120
 ttacgggact caatcagaca tccgagtaaa aagttattgt cgcttgaatt tgctcaaagc 180
 ttcaacattc aacttcgagc gtctcgttat attataggac tcaattagac atccgagtaa 240
 atagttattg tcggttgaat ttgctcagag cttcaacatt caatttcgag cgtctccata 300
 tattacagga ctcaatcaga catccgagta aaacgttatt ggtggttgaa tttgctcaga 360
 gcttcaaaaa tcacttttcg agcgtcttga tatatt 396

<210> 9297
 <211> 364.
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9297

agcttcttat ctttaaacia agcaggggtc ttcctattca acatttaaata acagtaagga 60
 accaatcata cctttgtact cccttnttgg agaataatta cctttctcat cctcatcatc 120
 tttctggatt attagaagcc ctaggaagaa ctttagctca cccatcgtae tcatttcaaa 180
 ttcatctttc attagggttaa aaatcttctt acacatcctt tctaagggtg caccaattat 240
 tatgtcattt gcatagatct gaacaattag aagggttctt ttctatgcct ttctaaatag 300
 tgtagtggtc actattcctt tatgtcatct acatagattt gaacaatcaa aagggtttct 360
 ttct 364

<210> 9298
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 9298

agctttgagc taattcaaac gacaataatg ttttgttctg atgtctgatt gagaccgta 60
 atacatcgag acgctcgaaa ttgaatgttg aagctctcag caaattcaaa cgacaataac 120
 tttttactcg gatgtctgat tgagtcccat aatacatcga gacgctcgaa attgaatgtt 180
 gaagctctca gcaaattcaa acgacaataa cttttttact catatgtctg attgagtccc 240
 gtaatatatc gagacgatcg aaattgaatt ctgaagctct aagctaattc aaacgacaat 300
 aactttttgc tcggatgtct gatggagtcc cgtaatctat tgagacgct 349

<210> 9299
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9299

agcttcaacc aaggggagat ggaccatttc aagtgtttga aagaatcaat gacaatgctt 60
 acaaagttga gctgcccaat gagtataatg ttagttccac cttcaatgtc tctaatttat 120
 ctctttttga tgcagatgga gaatccgatt tgaggacaaa tccttctcaa gaaggagaga 180
 atgatgagga catgaccaan agcaagggca aggatccact tgaaggactt ggagggcctg 240
 tgacaagggc tagagcaagg aaagccaagg aagctcttcg acaagtgttg tccatactat 300
 ntgaatacaa gcccaagttt caaggagaaa agtccaaggt tgtgagttgt atcatggccc 360
 aaaaggtgga ggactaactg 380

<210> 9300
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9300

ntngagaaat tcaaattggtc aaactcttct cacggatgtc cgattcatgc ttataatata 60

tcgatacgct cgaaattaaa catcggaac tctcgcgaaa ttcaaattgg cataactttt 120
cacacggata tcggattcgg gtacataata tgtctagaag ctcgaaattg aacaacggaa 180
gtgcttgaaa attcaaattg tcataacttt tcaccggatg tgctattcgg gcgcatatta 240
tgtcgagagg ctcacaattt aacaacggga gctcttgaga aatataaatg ggcataactc 300
ttcacacgga tgtgcgattc ccggaataa catattgaga cact 344

<210> 9301
<211> 350
<212> DNA
<213> Glycine max

<400> 9301

gacacctgaa actaagcttt catatgatgg tggtagagag ctaacagaat catgtcaaca 60
tcttcatect ctatcttaac atctatatct cttaattcca tcaaaataga attcaattca 120
tcaagatgat ctttaagaga tgtaccttct ttcattgtga aaccaaatac actccttttc 180
aagaagagtt tggtgcagat tgacttagtc atatacaact tttccaactt gagccataat 240
tcacttgag tttcttcatt tgcaacttca tataaaactt catcagacaa ggaaagcagg 300
attagtgagt gagccttttc ttcttggtct gcaagttctt caatctttta 350

<210> 9302
<211> 342
<212> DNA
<213> Glycine max

<400> 9302

agcttatgac cattttaatt tctcgggttt ttccattggt caataaccaa tgtctcgata 60
tattatgcac ctgaatcgga aatccaagtg aaaagttatg accatttgaa tttctcgagg 120
gattttgttg ttcaattttc agtgtctcca tatatgggtg gcctgaatcg gacctccgtg 180
tgataactta tgaccatttg aatttcttga gagatttcgt tgttcaattt caagcgtctc 240
gataaatgat gcgcctgaat cggacatcca agtgaaaagt tatgaccatt tgaatttctc 300
gtcagcttcc gttgttcaat ttcgagcatc tcgacatgtg at 342

<210> 9303
<211> 369

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9303

agcttgaact ngacttggtt tataacttat ttatttntct aactatgaat ttagtggtta 60
 ataaaggaat ttaatactag ataataatct tcaaatagaa aaatatgtgt taagcatgtg 120
 gtataatatt atggaatcca tataatttta atttttctat aatacatata gtttgggcta 180
 ttagagttat tcatgaacta tatggatgtc gagcttgtaa aatttgatct taatctactt 240
 aaataatcaa gctcaatctt aaatttgagt ttgtttatct acttaaaca ataaacttgg 300
 tcaaacattt agtgaatcaa actcaaagt tcacaaataa tttgatccat ttacatctct 360
 aattgtccc 369

<210> 9304
 <211> 366
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9304

agcttggcct gctcggngtc ctcgtcctta ccactgcctt caccgtcctt tggttgggc 60
 ttgggccttg aggccacagt cgcgtccctg ttggaggccg gactatggcc accatcatcc 120
 agcacgaccc aaatctcctc gcatagtttt cgacattgtc ttcctacaca tcttgccttca 180
 tgtattctat catttgctcc ttgaaattgc tatacatctt tttcttcctc caccgatggc 240
 atgtacgaga atcaaaattt tgaactaggg aaaggagaa accttcgagg tgcacacga 300
 tcgtgtgtgt tggggaaaga gggaggagaa ggtgtggtca atttcaaat cctagttggt 360
 attgga 366

<210> 9305
 <211> 378
 <212> DNA
 <213> Glycine max
 <400> 9305

agcttcaagg atgaggacca ttcttggttc tcaaacatgg aaaactttaa ggccacaaga 60
 caaccactgg aaggtatgaa attccactac agaaaaaggt tcttccgaga aaccaccaag 120

tatgtttggg atgaccctac tctttttcgt attggtattg aaaatttggt aaggcaatgt 180
gtaacaaaag gagaacaagc aagcatactt tggcattgcc acaactcatt atatggagac 240
cacttcaacg cacaaagaac aactgcaaag atccttcaag ccaaattcta ttggcctaca 300
ctctgccagg tgctcataac catgcactat catgcatag ttgtgaatta gccacaaca 360
tatctagaca tgaaatgc 378

<210> 9306
<211> 396
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9306

aaactcaagc ttataccaaa gtccaaaaca ttaatatatt tccccttttt caatttatga 60
aactacttat taaattatta taattatatt ttggtttttt atcgtaagaa ttaaagataa 120
tattaagata ttataacac ttatgcacca tgttgaacca actaaattat acctcatttc 180
taattatatt tgtttgatat caatttttta atcttaaact atattttaat tcttaaattg 240
attattaaat atatcatatt tataaaacaa atctccatac attgagtcaa attcttaaatt 300
aataaaattt tatctttcaa tatattagtt tctcaacctc aactaagata acatgggtcac 360
ctantttttc ttatataata taaaaaataa ttaata 396

<210> 9307
<211> 344
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9307

taagcatttn gtccatgagt attgcatata caggtttcgc ttcataatac attaaacaca 60
aatattttta ttactgtcat tctgtcaatc tatcaagtgt gacttgtgca gccaaaggaa 120
attactacat agaatcccca ccccgttacc ccccaaatg tgaacatgat aatgggttacc 180
tggcagaaag tggtgaaaaa aaccctggag tcctttcatt tgaagcaata aacaaagttc 240
tttcagggtg gaccactttt gctatcctac aaagcataaa ctctggccga gtgtctctat 300
caaagtgagg gtgcaagctc ctactacac caaatctatc ttcc 344

<210> 9308
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 9308

agcttctgtc cctgagaatc tggttcctat aagacaacag ggagtgaaga ttgctgaaaa 60
 ccctaacctt gcaacaagtt ctagggaagt atacacggag atggacaaga caattcgcgg 120
 tattgtgagt agcattttga aagaagcttc tgtgcctgat gctgagaaag atgttccaac 180
 atcttccacc ccgaatgttt ctgtgcctga tgttgagaaa gatgttccaa catcttccgg 240
 cccaaatgct gaagcactcc ctttaccat g 271

<210> 9309
 <211> 294
 <212> DNA
 <213> Glycine max

<400> 9309

agcttgaatt tccttttagt atggaatcta tcctttctaa gctggagcca aaccctgtca 60
 ccctcatata gaactagctc ttttctttct ctattgcctt tagttgaata cacctttggt 120
 tggttcttta ttagttctt aaccctctca tgcaacttct ttacaaactc tgacctagat 180
 tcccccttct tatgtataaa agaagtgcct agtgggatta aaccataga caaccttaaa 240
 aggggactgc ttggtggttc tatgaacccc cttgtttag gaaaattcta catg 294

<210> 9310
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9310

agctnntaga aaatgtcgat gctgagttat actatttttc ttccatgttt caattgtaca 60
 tagcttatgt cttcttcaca catagtgcac gcaagatgaa ccttaacact gtatccactc 120
 aaatttccgt atgctggaaa gtcattgatg atacaaaaca actttgcacg caacttgaat 180
 gtctcatttc gatactgat gtagctccat gtggagcttg tangccttg atcttcttca 240

tcaatggagt attttgcttc ttgaagatca atggcatctg aatggagaag gaggaaggt 300
gattcgagat gccacttcaa aaagaagatg agtcaagaac aagctcacca ccataggaag 360
ccatggataa gag 373

<210> 9311
<211> 375
<212> DNA
<213> Glycine max

<400> 9311

agctttgcat atcctttgat aaaccttcta tagtaaccag tgaggcctaa gaaacctctt 60
agctgcttga tattgagtgg ttagggccac tctagaactg cctgcacctt agtagcatcc 120
atagcaactc cttcacctgg aactatatgt cccaagtact ctatctccaa tacaccaaaa 180
gagcatttag acaacttagc aaacaaaaca ttttctttca atactttgaa tacaacctct 240
agatgggata agtggtcatg ccatgtggaa ctatatacca atatatcatc aaaaaacact 300
aacacatatt tccttaaagc atgttggaag atatgggtca tcaaactg aaaagaagtc 360
ggagcattgg ttaaa 375

<210> 9312
<211> 273
<212> DNA
<213> Glycine max

<400> 9312

agcttgacac agaccatacg aagattttgt gagtttatca aaccatgttg tcattcttga 60
caagataacc aagaggcatg tccatgtata ctccctcaat caaatcacta ttgagaaaca 120
cattatttaa atcaagctga aacatgttcc aatttctgtg aggtgcaatg gaaagaaaca 180
ctctcattgc cgtatgcttg gcaacaagtg agaaagcgtc caaaaaatcg atctctgctt 240
gttgtttgtt gcgtgtaccc ttttgcaaca aga 273

<210> 9313
<211> 383
<212> DNA
<213> Glycine max

<400> 9313

agcttagagg aaaaccattc gcattgttgt atttatattt cccgtāgaaa cccaaaacta 60
tctcggtaaa actatgatcc cagtttcgtt aaccgttggg ttttcacgaa gtttgatata 120
gtttttcgaa attcaattgc gcacacttcc accgttggga tttgtgagat aatattagt 180
gagggagaaa aaggaatcgc atgaagacag tacaagtggg ggtttcaatc tcttctccgt 240
ctctctgacg tttgggaatt ctatcggagc agtcggagga ataactgaag gaatctcaag 300
gaaccactag agatgttact atcactagct gaagacacgt gagtccgctc agagataagg 360
gatgagttta tcgcaattgg ggg 383

<210> 9314
<211> 342
<212> DNA
<213> Glycine max

<400> 9314

agcttgtgct attccaaatt gaataatcat acctttaagc cacattgctt ccttcactcc 60
ttcagctatg gacatgtatt ctgcttcagt agttgaaaga gcaacaactg attgttgaat 120
tgctttacaa ctgattgctg taccaaacaa acgacacaca tatectatta aggacttcct 180
tgtgtctaca tttcctgcaa aatctgcac tacatagcct gtgactgctg cctcgtgtgc 240
tgtctttttg taccttatac tagctttcaa agatccattt agatacctta gtgtccactt 300
cacagcttcc caatgtgcgc tgccaggata tgccatgaat ct 342

<210> 9315
<211> 325
<212> DNA
<213> Glycine max

<400> 9315

agcttgtagc atattgaaac cgcaatatat cgagaagctc gaaattgaaa gaagaaactt 60
tgagcaaatt caaatgacaa taaattttaa ctcggatgtc tgattgagtc ccttaatat 120
tcgagacgct cgaaattgaa aaaaaagct caaagcaaat tcaaacgata ataacttttt 180
acttcgatgt ccgattgaga ccataatat atcgagacac tcgaaattga aaccaaaagc 240
tctaagcaaa ttcaactgac aataactttt cattcagatg tctgattgag tcccgtata 300
tatcgagaca cacgaaattg aaac 325

<210> 9316
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9316

ntgatgcaac aatggagagg ttaatgaaac aactttatga tgcgctccat gagaggttgg 60
 atcaaatgga gaatagagat cataataaag aagaaaggag gagaagaggg aatgatggtg 120
 ttcttagaca aaaccgaatt gatggtatta aactcaacat tcccccttt aaaggaaaga 180
 atgatccgga ggcctacttg gagtgggaga tgaaaataga gcatgttttc tcatgcaaca 240
 aatatgagag ggacaaaaag atgaagcttg ccgccatgga gttttccgac tatgctcttg 300
 tgtggtggaa caagcttcaa aaggagagag ctagaaatga agagcctttg gttgatacat 360
 ggacagagat gaaaaagatc a 381

<210> 9317
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 9317

agcttcaaga aaaagatggc ctcagcatatc tccttatttc cagaagggaa ttctatcaat 60
 aggccctcaa tctttaatgg agagggttac cattactgga aaaccgaat gcaaattttt 120
 attgaggcaa taaacctaaa tatttgggaa gccatagaaa tagggcctta tatacccacc 180
 acagtagaaa gaattacaat agatggcagt tcatcaagtg aaagtataac tatagaaaaa 240
 cctagagata gatggtctga agaggataga aaacgagtaa tatacaattt aaaagccaaa 300
 aacataataa catctgccct gcgaatggat gaatatttca gggtttcaaa ttgtaagagt 360
 gctaacgaaa tgtggg 376

<210> 9318
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 9318

tcgaatttct caagagtttc cgttgttcaa tttttattgt gtagatgagt tatgtccccg 60

aatcggacat ctgtgtgaaa acttatgacc attcgatttt ctcgagagct tccgttggtc 120
aatttcgagc gtctcgatgt attatgtccc cgaatcggac atctgtgtga aaacttatga 180
ccattcgaat ttctcgagag cttccgttgt tcaatttcga gcgtctcgat gtattatgtc 240
cccgaatcgg acattcgagt gaaaagttat gaccattcga atttttcgag agcttccggt 300
gttcaatttc gagcgtctcg atatattatg tccccgaatc ggacatacgt gtgaaaacgt 360
ttgaccattc caatttttcg agagctttcg ttgttcaatt tcgagcgtgt cgatatgtta 420
tg 422

<210> 9319
<211> 571
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9319

agcttcatgg gagagtcaaa gatcaaattg ttaggaaaaa taaaagctat gctaaacaag 60
ccaacaaagg aagaaagaag gttgtcttcg aaccggaga ttgggtttgg gtgcacatga 120
gaaaagaaag gtttccggaa cagaggaaat caaagcttca acaatgggga gatggaccat 180
ttcaagtgtc tgaaagaatc aatgacaatg cttacaaagt tgagctgccc ggtgagtata 240
atgttagttc caccttcaat gtctttgatt tacctctttt tgatgcagat gtagaatccg 300
at ttgaggac aaatccttct caagagggag agaatgatga ggacatgacc aagagcaagg 360
gcaaggatcc acttgaagga cttggaggac ctatgacaag ggctagagca aggaaagcca 420
aggaagctct tcaacaagtg ctgtccatac tatttgaata caagcccaag tttcaaggag 480
aaaagtccaa ggttgtgagt tgtatcatgg cccanatgga ggaggactaa atgacaccac 540
tttgtctcaa tttttagagt gtttagtttg c 571

<210> 9320
<211> 556
<212> DNA
<213> Glycine max
<400> 9320

tgttcatcga ttcaaaggca tccccaaaca caacacggac tattttcaca ttcttccaat 60

ccaaaatact tccttgccac cctcaaaaacc tccctatcac tatccacacc catgacctca 120
aaaccaatt gatttctcaa aaagggtcatc aaagccccac ctccaacccc aaggcacaaa 180
gccttcggcc taaaccccat ccgaatccgc cctccacat attcactatt caacacaaga 240
ccagccacca taggccccaa gtaagggtgc accaaaacct taagatcagg cacaaccccc 300
acatcaccac caatgcacac accatcaciaa tctctctcaa gaataatata aatttcagtt 360
tgaatcaaat taggcattct cttaaaccctc aacctcctcc taaactccct cccatgatca 420
ctctcatttt caattcaaca tcctcaaaca acatttcacc aacatgacac ccaacacatt 480
catgaaccac cacactagaa accaaactat cctcataact cacaaggggt atctcacgaa 540
tgccccctttt gaaaaa 556

<210> 9321
<211> 562
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9321

agcttcgccca tcgaagacgt tgttgatgtc agcaacgacg ttgaaatgta tgcttttttag 60
gtcaggctgt aacggcaacg acgtagtaat atataatttc aacgacgggtg cttacgtaag 120
caccatcttt gaagttatat attactacgt cgttgcatcc gcaaccaccg ccgttgaatt 180
catgttcaac tacgtcgta tcgtaagcat tgacgtagac aatttttttt ttactattaa 240
aaatgttgat tattatatta caaattaaaa ataaacataa ttaatatag ctcaaaattt 300
ataaattatt attgtcaact aattaatatg ataagtaaata ataatttttg tgctataaat 360
tatggtttta cttaatttaa tattatataa ataagcaaca taatgataaa tcattatcaa 420
ccagtatttc aaatgtaacc ttatgagata aataaataac antaattaaa cataatatan 480
taccaataat aaataaggta aatctactaa cactactaca aaagtgggat tcacatcggt 540
gtgttaacat ggggtgtaaaa aa 562

<210> 9322
<211> 524
<212> DNA
<213> Glycine max
<400> 9322

gcatgcaagc tttttacaat cgatatgggt gttattcttt gagaaatatt tgatgcctag 60
 tgtagactat cttctttcca tgcttaagtt gcacaaagct tgtttgattt tcacaaattg 120
 agcatgcaca atgcccttta acactttatc cactcaaatt cccaaatgct gaaaagtcac 180
 taatggtaca aaataccatt gcatgcaact tgaaggcttg ttaacggtac ccatcaaaca 240
 cgtcaaccct gtcctccac aactttctta agtcttcaat caaaggactt agataaacat 300
 cgatatcatt tcctagttgt tttggacca aaatcatcat agacaactta atgtattttc 360
 gcttcatgca caaccaaggt ggcagggttg aaatcattag caaaataggc catgaattgt 420
 agttagtgt taagttacta aaggattcat tccattggaa gaaagtccaa gcctaagggt 480
 tcttgctac tttccaaatt gggaaacaca ccattaattg tctt 524

<210> 9323
 <211> 485
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9323

atgcaagctt nacttagatt acttttggtg ttgtggtaca cacataacaa atatagagag 60
 aggctagtag ataagaccac tctagaataa tcaatattag agagcaattg cctaagatta 120
 ttcactatat gcttgctcct cacttttgca cgtccttaa cataatatat tgatatatca 180
 aaaatactat tataataaat aacaagaata tcttaatata ggtaaaaaaa atactgtcat 240
 gaaatcacat atataaatat ttgaaaaaat acaagggtgt ttcatTTTgt gaaatcatca 300
 tttatataaa catatacatt acatataaaa cttgtattat attcttactg tatacaacaa 360
 gtttgaaata acgtgatgaa aatacatatg atcataaaat gtatactata taaaatagaa 420
 taaagcttgt atagcacaca tatttcacta tatgcgaaat aaaagcgaag cttaatatgt 480
 acttc 485

<210> 9324
 <211> 455
 <212> DNA
 <213> Glycine max
 <400> 9324

agcttctcca aaaaaaatag tatcttctgc atattggaga atattaatag gcactttatt 60
 cttccccacc agaaagcttt ggaagcaatt ttttctgatt gcttccctca tcaaacctgt 120
 caaaccttca gcaaccaggt caaaaaggag tggggacaaa ggggtcccctt gtctcaagcc 180
 tctttgaggc ttaagctctg aggttgggct tccattaaca aggactgaca cataagctga 240
 agtaatgcac cccttgatcc agctaatacca tctctcatta aagcccatc ttctcaacat 300
 atagaagagg aactgccatg acacagagtc ataggccttt tcaaagtcaa ctttaaagac 360
 catacaagac ctgttgggtcc tccttgcttc ctccactacc tcattaacaa ccaaagcccc 420
 atacaacagc tttctatcct ttacaaaggc tgact 455

<210> 9325
 <211> 506
 <212> DNA
 <213> Glycine max
 <400> 9325

cgttcagttg tagatccaaa acttgaagtg atgatgagtt ttattgtatt gtggaatggt 60
 tcctgtcaac ttgttgtgag acaagttcag aatctgaatt gcacttgcatt tgcaaattga 120
 ggaagagaag tcaccggtga ttgagttaaa actaagatca aggtaaagga gttgttgggt 180
 ccacgagaat tgggtccaatg attgtgtcaa tcggttatga gataggcca atccatgtaa 240
 ccacgggctc gtttctttca accaatttgg cactctacct ttaagtgtgt tattggacaa 300
 atggagtgat tccaaaaatg ggacttttcc cgataatttt ggaaattcag ttaaaccat 360
 agaagataag tccaaactca ataatggga taaactataa ttgacattgg attctaaatt 420
 cagtgataac tgatcattcc gtggaagggtg aaggtctccc aaatattgaa gcttgagaa 480
 acgatgaaat ttgacagatc cactta 506

<210> 9326
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9326

agcttctaaa attggtgtgt ccaaaccttt anagtaattc taacactctt cattagattc 60
 aacagttttc aaacatcgaa ttccagtacc cttcatgttg atttgaaaaa tacttttttt 120

gccaaatgag cctttagaat caacctatga gaagaatcaa atatttccat tgagtcatgt 180
 ttcataatca atgaaaagcc tttcttaatt agttttccaa tactcaataa attgcatttc 240
 tttcttggt catatagtac attttctata agtggtgatt ttccattctt ccctttaagc 300
 acaatattgc ctataccttt tgcactcaat gttctatcat ctggaaattg aactttgctt 360
 gttcttggtg tatcaagatc actcaaccat tctttgtggt ttgtcatatg gtttgagcat 420
 tcaatttcaa ggaaccaata cttagactgt gcaagattct cacaggtgg 469

<210> 9327
 <211> 252
 <212> DNA
 <213> Glycine max

<400> 9327
 ttgaggaaat tcaaacgaca ataacttttg actcgggtgt ttgtttgtgt cctgaaatat 60
 atcgagacgc tcgtaattgg aaacagaagc tctgagcaaa ttcgaacgac aataaatttt 120
 tactcggatg tccgaatgga tcccgtggta taacgtgacg ctgttaattg aaaatagaag 180
 ctctgagctt attcaaacgg ctataacttt taactcgggt gtccgaacga gtctcgtagt 240
 atattgagac gc 252

<210> 9328
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 9328
 agcttctgtt ttcaatttcg agcgtttcgt tattttacgg ggctctatcc gacatccgag 60
 ttaaaagtta ttgtcgtttg attattctaa gagcttcctt tttcaattac gagaatctcg 120
 atatattacg ggacacaatc ggacaccoga gtgaaaagtt attgtcgctt gaattttctc 180
 agagcttcta ttttcaatta cgagcgtctc gatatattac gggactcaat cggacattcg 240
 agtaaaaagt tattgtcggt tgaattttct cagagcttct gttttcaatt acgagcgtcc 300
 tgatatatta cgggactcaa tcggacatcc gaggcaaaag ttattgtcgg ttgaatatgc 360
 tctgagcttc tgttttcaat tacgagcgtc tcgatatatt acggga 406

<210> 9329
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9329

agcttataat atatcgatac gctctaaata tttatcgaca acncncggga aaggcagaga 60
 gtcataacaa tncacacgga cgcccgaacnc gggcgcanaa nanggcgaga ggagcgaaag 120
 cgaacaacgg aagcccnnga gaaacccaac ggggagaacc caacacacgg agggccgaac 180
 caggcgggag acagaacgag acacacaaaa gggaacagcg gaagcccccg agaaacacaa 240
 aggggcataa cacncaaccc gaaagaccaa gnnaggcgca tcacatatag tgacactcga 300
 aattgaacaa cggaagctct cgtgaaattc aaatggtcac aacttttcac actgaggtcc 360
 gattcaagtg tataatgcat cgatacactc ggaagtaaac atcggaagca ctcg 414

<210> 9330
 <211> 499
 <212> DNA
 <213> Glycine max

<400> 9330

gcttcggttg ctcatgact tcaaattgct gcagagaagg acatacatct gtatggtgat 60
 ctgcagaaga acatagacca cagagtcttg caacagggtgc agatttctga ttcattggcaa 120
 gctgagttac taggttgacc aaggcatcaa gttttccctc aagattttta ttttcagtag 180
 atgaagatga atccattgcc acctcatgga ctctcttaag gacaataggg atgcaatcct 240
 accccgcaaa ggcatggat agaagactcc aagtagattg ggccagagat ccaagggaag 300
 gccctagggt tctcatgagc cttaggatag atttttgagc ccatgggtca aggtatgatc 360
 cactcttctt tgtaaaaatt agaatagggt tttccttctt ttgggccttg tattttgaca 420
 attctagtag tatagggttt tagccttgta tttcagggca ttttgagtag tctttgtagt 480
 aaagacttct tttgtattt 499

<210> 9331
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 9331

agcttgtaat cgattacaca gtaaggaatt tttcaaaata actcccaaga gtcacaactg 60
ttcaggaagt ttttgaatgg ccatcaaagg cctttaaaga cttgggatac gaaattcctt 120
agaggttttc tgaataacat tttcttatcc tctcaaaacc aaattgtctt atcattctca 180
aaatattcct tgggtcaaac acttgcaa atcaataagga atcttgatcg atcttcaatt 240
gtaatatcct tctcttaaag agagaaaatt cttcttcttc ttattcaa ac agatctgtat 300
aagagaccga gagtctcttc agttgtaagg atatttgaac acaaggaaag ggtgtccctg 360
tgtggttcaa agtttgtaaa aagctttcta caagatagtg gaaatctcaa gcgggttgct 420
tatggactgg a 431

<210> 9332

<211> 500

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9332

agcttgatga ttgcctatgg gcatttggtt tcttccttca aaacacccat tggcatctcc 60
ttgtttcaaa tgggtgatgg aaaagcttgt cacctaccag tggagttaga aataaaagct 120
cattagacca tgaagttcct caactttgac tttacaacat ccaaagagaa gaggaaggta 180
caactacagg aacttgaaga gattctcttc aatgcatatg aatcatccaa gctctacaaa 240
gaaagaacca agagatacca tgacaaaaag atcctccata gagtattcag gcccgaaaca 300
caagtattgc tctacaactc aggattaaag ttatttcattg gaaaattaaa atatagatgg 360
agtggccct atactgtcaa agacgttaag ctttatggag ctatagagat agaggatgtg 420
acaccttcta cccctcacat atatatntat aaaggaataa aaatttcaat attaattaaa 480
aggtttttta aaacattttt 500

<210> 9333

<211> 298

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9333

tccattttca gttgcgacca tctcgagata ttanttgatt tatccggaca tccatgtata 60
aagttattgt caatgtgaat atactcaggg cttcagatct taattttgag cgtctcgata 120
tattacagga ctcattcaga catccgagtg aaaagttatt gactgttgaa tttgatgcta 180
gctccctgct gcaattggga gcatctatcg cataattatg acactttgtc gggcaatccg 240
agacaaagct atagtcggtg gaatgatata agagcattcg tctacaatat ggagcgctc 298

<210> 9334
<211> 448
<212> DNA
<213> Glycine max

<400> 9334

ttttactctc aatatattat atatcactta ttactattct cttttatagg tgttaaaatg 60
gaattgaatt caacttgaaa ttataattta cactctaatt ctttacacaa ttatattaaa 120
tttactatta caactacaat tttaaattga aattcctact cccattttta atatttctaa 180
aaaccagttt tggtgaaata gtaaagtgac tatttgcaac atagtcacat agtgctttat 240
ttaattctat ctttgatctc atcaagaccc tagaggccta gtgttggcac ttaaaaaatt 300
attatgaata gctgatgcaa atgcgaagaa gctaaaagtt aatatattca aatttatttt 360
tgaattatat aattgtatca ttatttaaag attatgatct aaagaaaaca ggggtcatct 420
gaagacagtg aacgattctc ttataatg 448

<210> 9335
<211> 534
<212> DNA
<213> Glycine max

<400> 9335

agcttgcttc tacaatctcc cccattttgt tgatgactac ttctaaaatc aagaaacaca 60
cacacacaca cacacacaca cactttttct agtcgatgac tcacataaat ttccattctc 120
cccctttggt ttttgaattt atgcttgtct taaaattaag ttgattactc atgtgagtcc 180
ttgatttaat ccctatttct ctcccccttt ggcatacaaa aaaagccaaa atgcgtaaca 240
agtttgaagc atacaaatac aactaagcat gcatacaaa ttcatggaag aatataaacc 300
aatcatgaa gcaagaacca taaatagatc aaatatataa aaaccacatt gtcaaataac 360

ataattaata tttgttcaaa cataccatgc aaataaagaa atagtaaatt gttcaaatat 420
cataataata tagccaaata cacggttgga aatcaaatta ctaataatat taaaataata 480
gaaaactaag atgatggtgg cggcggtggt ggtagatcaa agcttgaatg aata 534

<210> 9336
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9336

ctgggcgtac cccaaggac catcaggaaa ttacttgtgt gngtagccat gaggggtgggc 60
tcatgggccca cgtttgggat agacaagacc cttgtcttac tcgaagaaaa gttctatttg 120
cccatatga agaaagaggt ccataagcat tgcactatgt gtgtggcttg tttacaagcc 180
aagtctaggg tgatgcctca tgggctatac acacccttac ccattctatc tgcaccttgg 240
gtagacatta gtatggactt tgtccttggg ctgcctagaa cccaaggagg tggagactct 300
atctttgtag aggaggatat gtggagcaag atggcacact gtataccatg ccacaaggag 360
gatgatgctt cccatatctc aaaacatttt tt 392

<210> 9337
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9337

agctttccac attgaattca gcacctaattg ttatantata tgggaattgg gtatcttaac 60
ataagagatt tccgatggac tttaatccta atcccacagc cgaccttttt acgagatctc 120
tacttaaccc tttggttaaa tgatcggccca aattatgctg agttctcaca aactccactg 180
atatcacacc atgcatgatt aactcccgaa ccatgttgtg tctaacaccc aagtgtctag 240
acttcccatt atacacttga ctatatgcct tagccaaagt tgcctgacta tcacacctga 300
tagacatggg aggtataggt ttgggccaca atggaatctc atagattaga tttcttagcc 360
actcagcttc tttaccagct gctgctaaag ctacaaattc agattccatt gctgaatatg 420
gatgcaggtc tggttcttgg at 442

<210> 9338
 <211> 478
 <212> DNA
 <213> Glycine max

<400> 9338

tctaaacttt atacaagaat gaagctctga taccacttgt tgtacagtgg cctcagatat 60
 cttaagaagg ggggggttga attaagatat tacaattat tttcccaatt aaaaattcta 120
 ttttaactttc tattcaagtt atatattccc ttaataatga ttttcttaaa taatgattca 180
 aaagaacaat ttgaatatga atataaaaca ataataaata aaggagtta agggaagaga 240
 aaatgcaaac tcagatttat actggttcag caacaccctt gtgcctacgt ccagtcccca 300
 agcaaccgcg ttgagagttc cactatcttg tcaattcctt ttacaagttc taaacacaca 360
 aggacaatcc ttcctttgtg tttagaatcc tttcacaaca agagaccatc ggcctcttaa 420
 tcccttttca gaataaagaa gaagagaaga agaaatctct cttgaaagag atagattg 478

<210> 9339
 <211> 571
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9339

tgaatgttca gcaacaatcc ctgtcaacct atgagaaggt tttactagct gtggtgtttg 60
 ctgtacaaaa gtggagcatt acttattact caagacgttt gtaatcaaaa ctgatcacag 120
 aagtctcaag tatattcttg accagagact ttccacaact ttccaacaaa aatggtaggt 180
 aaaacttatg cagtttgatt tcattattga atataagcag ggaagtaaaa accaagctgc 240
 tgatgcactt tcaagagttg aatgtgctac tatttccact caccaaccgc attctgatct 300
 actagagaga atcaaatcaa aacatcttgg caaggatgat atgccttaca aaaactgatt 360
 gttgaagtta cgaaagatcc ttcttcacat aaggatttct cttgggttagg tggagaacta 420
 aggaggaaag gtgatgcaat cctacccgcg aagggcattg gatagaagac tccaagtaga 480
 tggtgctaga gatccaaggg aaggccctag ggttctcatg agccttangg tagattgagc 540
 ccatgggcta agtatgagcc cgcttatctt t 571

<210> 9340
 <211> 617
 <212> DNA
 <213> Glycine max

<400> 9340

agcttccaac ttccaagagc acatttatta tctctcagat acatatctca cgtacaggcg 60
 tatcatcgat gtgaatctat tcctaaatta actaactagt aaggtgatac gagtaatttt 120
 tgttgccctt tgtttctttc tagttctaac acaacttcta tcatgtcaaa tttacgtagt 180
 attgattcac agtgatttta gaaacagtag aaaaagaagc actcatgttt aaaatgtaaa 240
 aattatagtt gattattagc ttcttaaaat tatattttaga tgtgaagcca aacatatact 300
 aaaaaaatg tagatttgct ttatatttta gtgagaccca cattcagatt tttctaattt 360
 ttttatccat aaaaatcaat gatggatata attagactaa aaagttgatt aatattttct 420
 taaaaaataa aaatttgaaa caatatttga gaaagaacta gaactatagt ccttaaagta 480
 ataaagtata tttttttttt atcactacac ctaagtactt attaaaatat ttgggcaaaa 540
 taccatatta atataggggtg taagcgaaaa tagtttaaatt ttaattttgt taaattaatt 600
 taatatatgg ataatta 617

<210> 9341
 <211> 523
 <212> DNA
 <213> Glycine max

<400> 9341

agcttgataa cccttcttga agagtatatt gatttctttg cgtggtcgca tcaagacatg 60
 cccggtctgt attctgacat tatgcagcat aagttgcctt tgaatcctgg gtcttctccg 120
 gctaagcaaa agctacgaag aatgaaaccc gatatgtctt taaaaattaa agaagaagta 180
 aggaagcagt ttgatgcagg attcttagct gtggcacggt acccgagtg ggtggccaac 240
 attgtcccag tcccgaaaaa ggacggcaag gttcgaatgt gtgtacacta ccgggacttg 300
 aaccgagcca gtcctaaaga caattttccc ctgccacaca ttgatatact cgtagataat 360
 atatccaaag tcaccctttt ctcatattatg gatggcttct cgggggtataa tcaaataaag 420
 atggcccccg aagatgtaga gaagaccact ctgcgcaccc tatggcggac attgtgctat 480
 agagtgatgg cccttggggt gaaaaatggt ggggcaccta atc 523

<210> 9342
 <211> 482
 <212> DNA
 <213> Glycine max

<400> 9342

acctctctaa tagctagctc acctcctttt tatgagaagc tagagcttag ctacacaccc 60
 cctataatag ctaagctcac ccccatgaca aaaaacatga aaataccaaa aaaaagtcct 120
 tactacaaag actactcaaa atgcctcgaa atacaaggct aaaaccctat actactagaa 180
 tagccaaaat acaaggccca aacgaaggaa atacctattc taatatttac aaagataagc 240
 gggctcatac ttagcccatg ggctcgaaat ctaccctaag gctcatgaga accctagggc 300
 cttcccttgg atctctagcc aatctacttg gagtcttcta cccaatgcc ttgcggggta 360
 ggattgcac acctcctctc atggggtagc caagttgtct tatggtgagg acatgattat 420
 aattaatata aacccttggt cacatcaagg gaacatttgg aaatccttcg catgaggata 480
 ga 482

<210> 9343
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9343

tgcaagcttg cacattactg ctttatagaa gattgcttgt aggtaagccg cggnaccatg 60
 acatgatgcg gtacatagag tgtaacgagt atccacaagg ggcttctggc aacgacaaga 120
 ggatgttgca gaggttgga actagtttct ttctaagtgg gggtatcatg atgtagctcc 180
 attggagctt gttggccttg gatcttcttc atcaatggag tcctttgctt cttgaatttt 240
 aatggcagca aaatggacaa gaagaagagt tgagaggaga caccacttca aggagaagat 300
 gagtctagaa taagctcacc atcatacgaa ggcattgata agagcttcaa ggtacgagat 360
 gatgaatgga ggaacaggga gag 383

<210> 9344
 <211> 699
 <212> DNA

<213> Glycine max

<400> 9344

ttgcatctga caaagatgat agcaaattcc atttcaggat tttgttttca ctttaatggt 60
gggtgtagtaa gttggaaaag ttccaagcaa gctacgataa catattcaac tactgaagca 120
taatatatag tgacaagtga agccggtaaa gaagctgttt ggatgaaaag gttcatattt 180
gaacttggtg tggttccttc aatagaagag tcgggtcccat tattgtgcga caataatggg 240
gctattgctc aagcaaagga accaagatca caccaaaagt ccaaacatat tttgcgaaaag 300
tatcacttga ttagagagat aaaagaacgt ggtgacgtta agattgaaaa ggtagatgga 360
aaggagaatg tagcagatct cttcatcaag gcgcttgga taaaagagtt tgacaagcac 420
aaatgggagt tatgattgaa gttcatgaat gattggctct aggaaagtgg gagatttgtg 480
ggaataaatt tgtatgccta tgatccaagt catcatgtga tcaattctaa ttttaataat 540
aaagtattat tttattttca tgggtcatatt tcactatatg attaaatggt gcatttgata 600
atgtccttgg ataaacatat agacttggtt ttataataga aattatgata atgagaaaca 660
agtttgttct taatttaatc taaaccgttc ttgatcata 699

<210> 9345

<211> 606

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9345

gcatttaaca cacttgtagt gtaatacttt agtactttaa cacacttcta atgtgttcca 60
agcgggttact aggatatcaa caaagtacac aattacaaat ttttcaataa attaaattat 120
ctgaaaacac gggtcatgag tctcatgaaa gtgctaagca tattgattaa gtcaaatcac 180
attactaacc actcataatc caaatactgt tttgtaaaac agtttgtttc tatttctata 240
caagctaaac ttcttaagca cttaacaca tttctagtgt aatacttaaa cacttcaaca 300
cacttcta atgtgtcagg tgattatcaa gatcatca aaatacacia cggtgagttt 360
ttcaataaat tacctcaaaa catgattcat gagtctcatg anagtgctaa atatattggt 420
taaatacaat cacattacta atcacgcgta atccaaatac tgtcttgtaa aacagttttt 480
cactcatcac tttctcta atcaaatttgg tggtagtcac aaaagtgatg catcaaacg 540

ataaatactt atactcttac ggggttgaaag ttgaaagttt aatcaaatgt taactttttt 600
tttgga 606

<210> 9346
<211> 560
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9346

agcttggnta tcgccttctt cactttatta gtatcaccgg gctgagtctt ctctgtggct 60
gtcttactgg attagctcca tctctaaaat ttattcgatg catacatgtg gatgggctaa 120
taccaggaat gtccgccagg gtccagccta tagccttctt atgcttcttg agcactgaca 180
acaacttctc ctcttgetca tcagcaaggg aggagatat aatcactgga aaactcttgc 240
tatcatccaa gtaagcgtat tttaaatttg atggcagagg cttcaattct ggtgtggctg 300
gctggacagt ggtagaagga gatggtttct cagccttgac ctcataaaga aagtcagagg 360
tatgtgtact tctgaaaca tggttagtcc tatctgactc tataaatcaa tctcaagagg 420
taaaacacca ccaccaggca tgcaatcaat atcactctca gattcactct caacatcaaa 480
ttcagacata tgatcaagtt ccattttcag actcaatgca ttgaagagtg agaggcatgc 540
agattataat aaagatcagt 560

<210> 9347
<211> 599
<212> DNA
<213> Glycine max

<400> 9347

tctaccaat ggaatttatg aaccgacatt tgaaagttaa ttgttctgta actaccaaga 60
gatggggttt ctttctttat gcaatggcat tttattgtgg agaattcaca cgtgctagta 120
atgaatgaca ccatgtattt tgagaaacag ataaattctg acttacatat tctcttatgt 180
tgctaaattg caactgtttt attgatttgt cgaactaaat ttgagtcata tggtagaagt 240
attgaaaaag ttgcactacc tcagttttat ccttgataag aaatatccat gtcacatgag 300
agcaatcatc aatgtaagaa ttaaaccata aataaaggcg ggtccccaca cactgcaatg 360

gacaagaggg aaagtctcaa cacctttatt attactactt ggaaaatttg tacctgataa 420
 tgggtccggag agagcaagaa aatgatgact aactgcctat tatgcaatgt tgaggggagg 480
 gttgcatgaa agcttgtgga aggcgagatt ataatcctag ggacccttac atttttgttt 540
 gtgcattttg tataaagatt atatgcccatt atattgtttg agatggggct taatacttg 599

<210> 9348
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9348

ctacaacatt caacttcgag catctcgata tattacgagt cnttantaga catccgagta 60
 aaaagttatt gtcgtttgaa ttggctcaga gcttcaacat tcaatttcga gcgtctcgat 120
 atattacggg actcaatcag acatccgact aaaaagttgt tgcgtttga attcactcag 180
 aggttcaaca ttcaatttcg agcgtctcga tatatgacgg gactcaatca gacatccgag 240
 taaaaagtta ttgtcgtttg aatttgctca gagcatcaac attgaatttc gagcgtctcg 300
 atatgtgacg ggactgaatt agacatctga gtaaaaagtt attgtcgttt gaatttgctc 360
 agagcatcaa cattcaattt cgagcgtctc gatatatgac gggactcaat catacatccc 420
 agtaaaaa 428

<210> 9349
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9349

agctttgagc caattaagac gacaatatct ttttactcgg atgactgann gagncccgnc 60
 atatatcgag acgctcgaaa ttgactgttg atgctctgag caaattcaaa cgacaataat 120
 attttactcg gatgtttgat tgagtcccgat aatatatcga gacgctcgaa attgaatgtt 180
 gatgctctga gcaaattcaa acgacaataa ctttttactc ggatgtctga ttcagaccgg 240
 tcacatattg agacgctcga aatgaatgt tgaagctctc ggccacttca aacgacaaca 300
 acattttact cggtatgtctg attgagtccc gtaacatata gagacgctcg aaattg 356

<210> 9350
 <211> 506
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9350

gaccgcggt gcagctatgt gatgtcaccg aaaaagtgg tatgtgncgg gcgaaaaact 60
 ncactagggtg tggtcagaca aaacagtcct agctaaaatt atcaatagat tatatgttta 120
 aactattaaa aattgaacaa tattgttttag ttaatagttt aaaattagat tgtgtttggt 180
 ttctatgaag cctaatttg aagtttcac tatttaaaat ataaaattga aattttgcat 240
 atggagaaaa ttgaattgcc ttatccaaac aaagaattta aaattgaaga aatttgaatt 300
 gatttatcca aacaaagcat ttgaaaaatg aaggaaatta aaatcaaagc aattcaaatt 360
 ctaagcattt gaaatttcct aaaactttta aattcctgat ccaaacacaa ggtaaaagta 420
 ttgccaaatg tcaaaatctt attgagtagg aggatttacg tgattatgga ggatataaca 480
 actctcttcc aaatttttaaat taagct 506

<210> 9351
 <211> 511
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9351

gccgatacag tagagctgac cgcattgcaat ctacaagttg catagcgctt ttgaatttcg 60
 tgatttgcca acaaanccctt aactcgccctc tgctataatc cttcgaattt gaaccggag 120
 ttaagtgcta tctgataccc gttgttgggg aaccgaagcg ggataaacat caaagagatt 180
 tacaccaatg ggccatgagc aatcatataa gtaaacttga caccacacct taaccacaaa 240
 ccttaaggct caagtttatg agttttttct tcaattatat ggtgttcaac cttctcattc 300
 ctacacaatg tgagacttca cctcacactt gtactccaac ataccgacat atgcattctt 360
 ataccaataa cttgcacttt agttaagtgt gccctcctaa ctaaaataat taccaactta 420
 aaataggcac aactctgtaa taataaattc agcttaaata ttatttaaaa catcataacc 480
 agcacaacga acaacaaatt gaaattacgg t 511

<210> 9352
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 9352

gctgcttgaa attgaacaac ggatgctatc cagaaactca aagggttatt acttatcaca 60
 cggagggtccg agtgaggcgc ataatatatc gagatgctcg aaattaaact acgaatactc 120
 tctagaaatt caaatggctg taacttgtca cacggaagtt cgattcaggc gcattatata 180
 tcgagacgct cgaaattgaa aatcggaagc tgtcgagaaa ttcaaattgt cgtaactttt 240
 caaacggaag tccgatttag ggcataata tatcgagaag gttgaaattg aacgacgact 300
 gctctcgaga aattttaaact ggtcataact gttcaaacgg aagtccgatt caggcgctta 360
 atatatcgac acgcttgaag 380

<210> 9353
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9353

agcttgtcgt cacggagata nccgactttg cttttgngng gnggaacaag ccacgaaagg 60
 agagagcaag aaangaagag ccaatggngg acacatggac agagatgaaa aagatcatga 120
 ggaagcggta tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180
 cccaaggcaa caaggggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
 caaatattga agaagatgag gaggtaacta tggctcgatt tcttaattgt ttgactaatg 300
 atatccgtga tattgttgag ctgcaggagt ttgttgaaat ggatgatttg cttcccaaag 360
 caatccaagt ggagcaacaa ttaaaaagga agggagtggc taagaagaag tttaccaact 420
 ttggttcttc tagttggaaa gaaaaggtaa gaaagatggg gctgctactt ctagaattcc 480
 acac 484

<210> 9354
 <211> 509
 <212> DNA
 <213> Glycine max

<400> 9354

cgacactata aatctcagct cttatccagg ctcatcttgg tggagaagct cctttttctt 60
ggcttattcc ctagtggatg ggcctccct tctctcttc tcctttgcct tccgctgcat 120
ctccatggtg aaaaatcacc attgaaggac ctcatgaag ctcaaagatc cagcctccat 180
agaagctcca caagcaagct tccatcagtt atgaccattt gaatttttcg agagcttccg 240
ttgttcaatt tcgagcgtca cgatatatta tgaccccgaa tcggacatcc gtgtgaaaag 300
ttatgaccat ttgaatgtct cgagagcctc cgttgttcaa tatagagcgc ctcgatatat 360
tatgcgccta aatcgcacat ccgactcaaa ggttatgacc atttgaatat ctcgagggca 420
tccaaatttt aatttcgaag gtctcgatat attatgtctc aaaataggac atctatttga 480
aaacatacgc ccctttaaat gtatcgaga 509

<210> 9355

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9355

agcttgaaat ataacaatgg aagcttcgtg nattttcaaa tggncctatc ttctcaaacg 60
gatgtttgat ttggacacat aatatatcga gacgctagaa attgaacgat tgaacctctc 120
gagaaattca attggtcata acgtttcaca cggatgtccg attcggggcg attatatatc 180
gtgacgttcg aaattgaaca atggaacctc ttgagatatt taaatgggtca taactattca 240
cacgaatgtc cgattcaggg acttaatata tcgagacgtt cgaaattcaa gaacggaacc 300
tctcgtgaaa ttcatatggt aataactttt cacatggatg tccgattcag gcggataata 360
tattgtgacg ctcgaaatat aacaacggaa ctttcgaga aattcaaatt gtcctatctt 420
ctcgaatgta caattctggg acataatata tcgagacgc 459

<210> 9356

<211> 284

<212> DNA

<213> Glycine max

<400> 9356

agcttgtagg gttaaagtct cacgaatttc acgtgctgat gcaacaattg ttagccgtgg 60
ctatacgaga catcttgcca aacaaagtca ggtagcgat aactcgctg tgctttttct 120
tccatgctat atgtagcaaa gtcattgatt cagtcaagtt tgatgagttg gaaaatgagg 180
ccacaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
ttcacttgat tatgcatctg gtcagagaaa tcaaagtgtg tggt 284

<210> 9357
<211> 585
<212> DNA
<213> Glycine max

<400> 9357

tcaaccaagg ggagatggac catttcaagt gcttgtatta ttataacaa tgcttacaaa 60
ggtgagctgc ccggtgagta taatgttagt tccaccttca atgtctctga tttatctctt 120
tttgatgcag atggagaatt cgatttgagg acaaatcctt ctcaagaggg agagaatgat 180
gaggacatgt tcaagagcaa gggcaaggat ccacttgaag gacttgtagg acctatgaca 240
agggctagag caaggaaagc caaggaagct ctccaacaag tgctgtgcat actatttgaa 300
tacaagccca agtttcaagg agaaaagtcc aagggttgta gttgtatcat ggcccaaagt 360
gaggaggact aaatgacacc actttgtctc acttttagag tgattagttt gtctaaataa 420
tggcccaatc cttgtaaaga tggctaacca aaaatatgtt ttgggttaat caactaaaag 480
ggctttaatt atgttttagt caaagtgtaa taagggccca attggcaacc tatgcatcag 540
cctttttgga gaccaaattg tggctgactt gttggatgtt ggggg 585

<210> 9358
<211> 586
<212> DNA
<213> Glycine max

<400> 9358

tcctagaatc aagatcaaga ttcaagaatc aagagattat ttaatcaaga taagtatgaa 60
aaagtttttt caaaaactga gtagcacatg gatttttctc aaaatctgtt taccaaagag 120
tttttactct ctggtaatcg attaccagat tattgtaatc gattaccagt agcaaaatgg 180
ttttcaaaaa gctttcgact gaatttaca cgttccaatt gatttcaaaa agttgtaatc 240

gattacaatg ttttggaat cgattaccag tatgcttgaa cgttgaaatt caaattcaat 300
 tgtgaagagt cacattcttt cacaaaaaaa gctttgtgta atcgattaca ctgatttggt 360
 aatcgattac cagtgaaggt ttctgaacaa atcaaaagat gtaacccttc aaatagtttt 420
 ttgactcttt taaattgggt ttaagtttgt ctaaaagtca taactcttct aatgggtctc 480
 ttgaccagac atgaaaaatc tataaaagca aggctttgtt ttgcatttca catctatccc 540
 atcaatcaat ctatacattt tatcttttcc aaatcattct ttacac 586

<210> 9359
 <211> 566
 <212> DNA
 <213> Glycine max

<400> 9359

ctccgcttga aactgttaag aaggttcgct ttcaaaccta tggtgttggt caacataaac 60
 ttctcttagg attagccat ttagaaatgt gttttttaca tccatttgat atagcttcat 120
 attgctataa gcttcaaag aaagtaagat gtgtattgcc tctaaatgag ctacaggtgc 180
 ataagtttct ttgtagtcta ttcttcttgg ttgtgagtat tcttttagcaa ctaaccttgc 240
 tttgtttttc acaacctttc aattttcatt cagtttggtt tgaaagactc atttctctcc 300
 aatagctttc tttctttttg gaaattcgac tgactttcaa acatcattcc tctgaaactg 360
 atcaagctac ttttgcattg ctttaaccca attgtcatcc tgcattacat catcaatgtg 420
 tttgggtttc attttagaaa tcaatgcaat aggtccttat gttctgagtg atgatcttgt 480
 ttgaacatga tcaactatat caccaataat ttgacttttt tggaggattt cttctcatga 540
 tgcattccagt gggttctctt acctct 566

<210> 9360
 <211> 534
 <212> DNA
 <213> Glycine max

<400> 9360

tgcttgccc cttgatatat ttgagggact catgggtttt attaatgaca aattccttgg 60
 gataaaggta gtgttgccat gttttcaaag cacgtactaa ggcatacaac tccttatcat 120
 aagttgaata gttaagggtg ggaccactta acttttctact aaaataagca attggatggc 180

cttcttgcac caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240
 atttttgaaa gtttggcaat gcaagtatgg gggcattagt tagcttttgc ttaagaacat 300
 tgaaagcttc ttcttgtttc tctccccatt tgaaaccaac atttttcttg agcacttcat 360
 tgagaggtgc tgccaatgtg ctaaaatcct tcacaaatcg tctataaaaa cttgctaagc 420
 catgaaaact cctcacctcg gtcacagact taggtgtagg ccattcttga ataactactaa 480
 acctcttctc atccacttgc actccttttg aactcccaac aaaccctgaa acac 534

<210> 9361
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 9361

agcttaagct ccttcaactg ttaaggtgct taatatttga agagtatcct tgcggaacct 60
 tcacccgacg aatacactga caaaaactta tcttctcctt tttggacaaa gtatggcaag 120
 ctaggggcaa gtaaattttc ttcccatcag acattggatg caactgtgat cgtatcccca 180
 tataagctag atcttgacgg gtattcaagc catccttcgt cttgccttga atgttaagga 240
 gcgtcccaat cacactgaca caaacatttt tctacacatg cataacatca ctaccatgtc 300
 taacgtctag atcaaaccag cacagaagaa ctacgaatat ggacctcttc ttccatatgc 360
 aagacttact t 371

<210> 9362
 <211> 202
 <212> DNA
 <213> Glycine max

<400> 9362

cagcctatgc cgcaaacaac ttctactttt tttctcaaac tcaatagaaa aaacggccgc 60
 caaaaaacgc ttatgacctc tccaacaaca ggtacaacc cgggtagagg aaacatccca 120
 accttaaagtg ggtgagttct tcccaatagc cacaacgacc ccaggcctat ttttataatg 180
 ctgatggccc aagcagacca ta 202

<210> 9363
 <211> 449
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9363

ngccttgccc ctcgatatta ttgagggact catgggtact attaatgaca aattccttgg 60
gataaaggta gtgttgccat gttttcaaag cacgtactaa ggcatacaac tccttatcat 120
aagttgaata gttaagggtta ggaccactta acttttctact aaaataagca attggatggc 180
cttcttgcat caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240
atttttgaaa gtttggaat gcaagtatgg gggcattagt tagcttttgc ttaagaacat 300
tgaaagcttc ttcttgtttc tctccccatt tgaaaccaac atttttcttg agcacttcat 360
tgagaggtgc tgccaatgtg ctaaaatcct tcacaaatcg tctataaaaa cttgctaagc 420
catgaaaact cctcacctcg gtcacagac 449

<210> 9364

<211> 295

<212> DNA

<213> Glycine max

<400> 9364

aaattattca atcctacccc gcaagggcat tggctagaag actccaagta gattgggcta 60
taaatccaag gaaaggccct aaggtttctca tgagccttaa ggtagatttc gagcccatgg 120
gctaagtatg agcccgttta tctttgtaaa tattaataa agttattcct tcgtctaggc 180
cttgtatttt ggccattcta gtagtataag gttttaacct tgtatttcgg ggcattttga 240
actgtgtttg aaataaagac tctttttttg tattttcatg ttttttgtca tgggg 295

<210> 9365

<211> 352

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9365

tgggctttca ctatgtgttg aaatgagtga gccaaacttg aattgagttg aacacataag 60
gcttgagttt gactaattat ctctaataagg cttaactttg gcatacataa cagtctagct 120
tggcgagtct aattaaagc ttgcttaaag acgtctttga tcaattaatt attttaaaat 180

ctagtgaat actaactaaa aaaaagaaac ttattaaatt taatatgagt aatgtacaaa 240
 tccaaaaata attgataaac aaaatcatat tgaattcaag tcgtttaaat accaagaata 300
 taataaaaat gaaanaaaga gagcatatta ttaaaaaata cttacaaaga ca 352

<210> 9366
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9366

ngacccttat gagtaagctt ggccaaaggt aaagctatct tacaaaaacc ttctatgaac 60
 ctacgatagt aacctgttaa accaaggaaa ctctaatct caaacactta cttaggactc 120
 ttccaactta tcaattcctc taccttaaaa ggatctactg atatccctcc cttggatata 180
 acgtggccta gaaagctcac ctcttctagc caaaaactca catttggaca acttagcata 240
 caattcgttg tccttgacaa tttgcaacac aacccttaga tgctcctcat gttcctccct 300
 agtcttgga tacaccaaga tatcatccat gaagaccacc acaaaaactat ctaggtaggg 360
 atgaaagatc ctattcatgt agttcatgaa cacactgacg atgttggtca caccaaaagg 420
 cataaccaag tactcataat ggtcg 445

<210> 9367
 <211> 389
 <212> DNA
 <213> Glycine max
 <400> 9367

ggcttctgca caaggggtcaa tgggtacttag acacatgatg ctctacacac atgactggtc 60
 acaaagactg gttcgtgtgt ctagatgaaa gaatgaaaag caaagtgaga tttgtaaatg 120
 acagcactat gcttgctgaa ggaattggaa atgtcctgat tcataggaaa gatggtagag 180
 aaacttgcac agaggatgta ctttatgttc caagcataag cagcaatctt ctaagccttg 240
 gtcagttact tcagaaaggc ttttaagataa ctatgaagga catgatgatg ctggtatatg 300
 acaaaaccag aaatctaag ataaaaacac cattgaccga aaatagaact ttcaagggtg 360
 gaacgcaagc acttgagcat gaatgtctt 389

<210> 9368
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 9368

tcctccacat gagtttattg cccgaaggct tgaaattatt cagatatacct ctttttctgt 60
 tttagaaggt gctgggagaa ccctcaaagg tagggatctt atcaaagtga ggaatgttgt 120
 actcccaaaa attggtttcc tcgaaacact ataaaggggt ctcttgagta gtgatgtatc 180
 tttatggtaa aacataatca attaattttt catgggtgaag gtaaaaacaa aaaatagttg 240
 cttctacttt tttatgggtat cacctaattt tatgcatag aattgattct tatgtgtcat 300
 ccaaacatga tagtagctct ttacatttg ggatgtataa tagggtttgt agttagaggt 360
 tatttaagaa tggatgttgt gttcatatg 389

<210> 9369
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9369

ctagtacgcg taaagtctca cgattgtcac ttgctcatgc aacaattttt agccttggct 60
 atacgagaca tctngccaaa caaagttagg ttagcgataa ctgcgatgtg ctttttctat 120
 catgctatat gtagcaaagt cattgatcct atcaagtatg atgaagtgga aaatgaggcc 180
 gcaattatac tgtgccagtt ggagatgtat tttcccctg ctttatttga catcatgatt 240
 cacttgattg tgtatctggc cagagaaatc acatgctgtg gtcctattta tctacggtgg 300
 atgtaccggg ttgagcgata catgaagatc ttaaagggtg tacaagaatc tattagccag 360
 aagcattatt 370

<210> 9370
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9370

agcttatttt gagacccatg aatngattgt ctaacgcgtg tcatgcgtcc ttcaccatcg 60

agtctaaagc cccatggatt gattgtctaa cgttggtcgt ctatcctcca cctcanatc 120
 ttattcggag acccatgaat tgattgccta ggcagttca tgcgtcctca accatcaagt 180
 ctggagcccc acgaattgat tgcctagcgt tgttcacta tctccacccc tcaaacttta 240
 tttggagacc catgaattca ttgccttgcg cggtttatgc gtcctacacc atcgagtctg 300
 gagccccacg aattgattgc ctagcgttgc accctatact ccacctcaaa tctaacttga 360
 gaccatgaat tgatacctag cgctgttat 389

<210> 9371
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 9371

aacttagcat ctctatctaa cacaatgggc ctaggcaaac catgcggtct cacaacttcc 60
 ctaataaaga gttttgagat gtgggaagca tcatccacct tgtggcatgg tctaaagtgt 120
 gccatcttga taaacctatc caccaccaca aagatagagt ctacacctct ttgggatcta 180
 ggaagcccaa ggacaaagtc cataactaatg tctacccaac gtgcataagg gatgggtaag 240
 ggtgtgtata gcccatgagg catcacccta gacttggctt gtaaacaagc cacacaccta 300
 atgcaatgct tatggacatc tttctttata t 331

<210> 9372
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 9372

ttcttatcca aggetcatct tgggtggcgaa gtccttctt ccatggctta ttccctagtg 60
 gatggcgctt cctttctcct cttctccttt gccttcgct gcatctccat ggtgaaaaat 120
 caccattgaa ggacctcatt gaagctcaaa gatccagcct ccatagaagc tccacaagca 180
 agcttccatc agttatgacc atttgaattt ttcgagagct tccgttggtc aatttcgagc 240
 gtcacgatat attatgaccc cgaatcggac atccgtgtga aaagtatga ccatttgaat 300
 ttctcgagag cctccgttgc tcaatttaga gcgcctcgat atattatgcg cctaaat 357

<210> 9373
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 9373

gctgcagctt gaaccaacat ggaagctgct taaattcaaa tggccttctt ctcgacggag 60
 tttgatttgg acacataata tatcgagacg ctagaaattg aacgattgaa cctctcgaga 120
 aattcaattg gtcataacgt ttcacacgga tgtccgattc gggcgcatta tatatcgtga 180
 cgttcgaaat tgaacaatgg aacctctcga gatatttaaa tggtcataac tattcacacg 240
 aatgtccgat tcagggactt aatatatcga gacgttcgaa attcaagaac ggaacctctc 300
 gtgaaattca tatggttaata acttttcaca tggatgtccg attcacgcgg ataatatatc 360
 gtgacgctcg aaatataac 379

<210> 9374
 <211> 317
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9374

ntaactcgga tgtccgattc aggcgcataa tatatttata cacttgatat tgaataacag 60
 aagctctcga gaaattcaaa tggtcataac ttttcacacg gatgtccgat tcgggcgcag 120
 aatatgtcga gacgtcttaa attgaacaac tgaagctctc tagaaattct aatggtcatt 180
 acttttcact cagaggaccg attcagggcg ataatatatt cagacgctcg atattgaaca 240
 acggaagctc ccgataaatt tatatgggct tacttttaac tcagaggtcc gattcatgcy 300
 cataatatat ctatacy 317

<210> 9375
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9375

ntgtctntgt tggtcacaat ctagaagcca tgtgtcttat ggctctntga taattcttta 60
 tggcatctgc ggctgggcca catgagtga aaaggtttgc atattataag gtagcgaggt 120

tttcttgga atcacaaggt ggaagctctt cagctttgtg tggatttgtt ctatgggaag 180
 tagcatcaaa cgacgttccc aaaagttgtg cacacaacaa aagccatgtt ggattacgtc 240
 cattctaact actgggggct ttcaagagtt ccatcactat gaggagcaag gtatttcctt 300
 tccatcatcg atgattactc taagatgaaa tgagtattca tgatgaagca aatatttgaa 360
 gttttcaaac ttttctaaca ttgaagattc ttatgtagag tcagacaggt tagacaataa 420
 agcatcttat gagtgacaat g 441

<210> 9376
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 9376

tatggatggt atgagttgtg atcacccctt tgcaattaac aaaaagattg ctaattgact 60
 ggcagtttaa aaatattaaa atattgctcc atttgttctt tggtattcct tgagttccac 120
 acaagatgga gattaagggt gactgatgat tgtgcttttc catctggagc ttattaatta 180
 atgtattctc atctgcgtgt tttttagtaga gatgttgaag ttttgaagga ccctgagaag 240
 ccagataact ccctagccag aagattaact gcaattgaag gatatgaaat ggtttctatt 300
 gattaaaagg atgaaccctt tattctgaga aggatcaatg ctgggtagtg actgaaaatg 360
 aaaaatagaa aaccaacgta aaatctgctt acctttggta tccctacggg gatcattatg 420
 cactt 425

<210> 9377
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 9377

taataaggcc atctatgggtc ttaaaccatgc ccctatatcc tggtttgata aactcaaggt 60
 gcacttctga agtttgaatg taagtccagc aagtgtgatc cctctttatt tgtctactcc 120
 aaggggtcct caacaacctt tatgcttggt tatgtagatg atatcatcat aacagggaat 180
 aatccttctt taatcaagca actcatctct aagctaaata cttttttctt tcttaaagat 240
 cttggttctc tagactatct cttgggaatt gaggtaaaac atcaatctga tggatctatt 300

gttctcactc aaggaagata cattatagac ttgctggcct aaactaatat gacagaagca 360
 aaacctatctt cttcacctat gggtactgga tgtaagctaa ctaatagtggt atctgatcca 420
 ctcactgatc catatatggt c 441

<210> 9378
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 9378

gcttgaggatt ccaaggccat tcgcttcttt tatttcagtc ttcttctggc ttcaattctt 60
 cagtgggctt tccttctgtg tccagcatct tgggatgttc ccagcctttg atgacagctt 120
 ttcaaggctt ttgctatcca agtgatcttg aggaaggcca ccaattcttg ctttccagta 180
 ttcataagtg gttccatcta ggaatgggtg tctagtcact ggtcctcctt ctttctccat 240
 gttcatcaga cattatctcc ctagaactca ctctgtgatt tcgagtgttg gctctgatac 300
 caatcgaaat tctgatacca ggggacagat gttctaccgg atgttacgac attacccttc 360
 agatcatgca aatatat 377

<210> 9379
 <211> 284
 <212> DNA
 <213> Glycine max

<400> 9379

ctacattaag aatcaccggg ttgagtcttc tctgtggctg tcttactggc ttaactccat 60
 cctctaaatt tattcgatgc atacatgtgg atgggctaata accaggaatg tccgccaggg 120
 tccagcctat agcctttcta tgcttcttga gaactgacaa caacttctcc tcttgctcat 180
 cagcaaggga ggccgatatt atcactgaaa actcttgcta tcattcaagt aagcatatct 240
 taaatttgat ggcagaagct ttaattctgg tgtgggtccgc tgga 284

<210> 9380
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 9380

tctctgagaa aacttccttg agaagctaga gcttagctac acacacccct ctcataacta 60
agctcacctc ctgagaagc ttccttaaga agattcctaa agaagctaga gcttagctac 120
acacccccta taatagctaa gctcaccccc atgacaaaat atatgaaaat acaaaaaaaaa 180
tctctactac aaagactact caaaatgcct cgaaatacaa ggctaaaacc ctatactact 240
agaatggcca aaatacaagg cccaaatgaa ggaaaaacct attctaatat ttacaaagat 300
aagcgggctc atacttagcc catgggctca aaatctacc taaggctcat gagaacccta 360
gggccttccc ttggatctct agcctaatct acttgagtc ttctacccaa tgccttgcg 420
gggtaggatt gcatcaagcc acaactcagc a 451

<210> 9381
<211> 402
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9381

tctccacat gagtntattg cccgaaggct tgaaaggagt cagatattct cattttctgt 60
tttagaagg gctgggagaa ccctcaaagg tagggatctt agcaaagtga ggaatgttgt 120
actcccaaaa attggtttcc tcgaaacact ataaaggggt ctcttgagta gtgatgtatc 180
tttatggtaa aacataatca attaattttt catggtgaag gtaaaaaaca aaaatagttg 240
cttctacttt ttatgggtat cacctaattn tatgcatag aattgattct tatgtgtcat 300
ccaaacatga tagtagctct ttacattng ngatgtataa tanggtttgt agttagaggt 360
tatttangaa tggatgttgt gttcatatgc ttgggggtata aa 402

<210> 9382
<211> 447
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9382

ntatgatgat gaaccaagca atattggtga tgccgtagc cctagtgatt gattcaagac 60
ttcaagatca agcatcatga atgcaatcca atccaagatt caagattcaa gaaaagaaat 120
caagaagcaa caagtcaaga cttcatatag gataagtatt aaaagaattt tttaaaaacc 180

aaatagcata attttgtttt acaaaagaat tttgtcaaat tttctaaagt gaccagagtg 240
 attactcttt gttaatcgat taccagtttag cagtagtcga ttactagtaa ccagattggg 300
 tttcaaaatg ttttcaaag atgtgtaaca ttcaaaaatg attttcaa atgtgtaatcg 360
 attacactat attagtaatc gattacaagt gaatcttaac gttggaattc aaatccaatg 420
 gtgaagagtc acaacttttc ataaaat 447

<210> 9383
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 9383

tcttagtttc agatgatgca gatgggtttg tagctacctc atgcactcct ctaatgacta 60
 tggcatcatt tctggcgcta aactgctggg agttggaggc catcttctca attaaatttc 120
 tggcttcagc aggagtcag tctccaaggg ctccaccact ggcagcatct atcatacttc 180
 tctccatatt actaagtcct tcataaaaaat attggagaag aagctgttct gaaatctgat 240
 ggtgggggca actggcacat agtttcttaa atctctccca gtactcatac aggctctctc 300
 cactgagtta tctaatacct gagatatacct tctgatggc tg 342

<210> 9384
 <211> 347
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9384

tgaaattgaa caacggaagc tctctataca ttttaatggc cataacttnt cacttggagg 60
 tacaattcac gcgcataata tatcgagacg ctcaaaattg aacaacgaaa gctctcgaga 120
 cattcaaag atcataactt ttcacatgga cgtcagattc aagcgcataa tatatcgaga 180
 tgctctatat tgaacaatgg aagctctcga cacattcaaa tggtcataac ttttcaactc 240
 gaggtccgat tcatgtgcat aatatatcga gacgctcgaa attgtacaat ggaagctctt 300
 gagcaattca aatgggctat accttttcac ttcggatgcc cgattca 347

<210> 9385

<211> 388
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9385

 ntaaagacca attaaaggaa ataggagtgt ggatgtgtat taaaacaga tgaagatttc 60
 cttgattagg gctcaaattg aagagtctca tgaggccacc atggcaagggt ttttgcattg 120
 tctctatagg gagatccaag acattgtata gttgcaccac tatgcctctt tggaggatct 180
 cattcatcaa gctatcaagg tggagcaaca attaaaggag aagcaaacad acaagaagtc 240
 ctcttatggc tttccaactt agaaagataa ggagacattc aagaaggagg gaagaccttc 300
 attcaaactc catgaaaaag gtgttgcctt tggtaaaaaa ataattctaa ccctactccc 360
 acttcttcaa aggcgagttc tattaaat 388

<210> 9386
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 9386

 gacctctatt tatagcccac gcgtcacaga aaaatggagg gaatattgaa ttttctattt 60
 aaacttcact tgaattaaaa attgaattta tggggccaaa tttcggagcc aaaatttcac 120
 ttattatgat tcgggaattt tagctatggc tcaaccact agtccaagat ctagtccaag 180
 attctccact aagtgtgctt aggtgtcata agacatgtaa agcatgaagt ttatgcacac 240
 agtgtgacta tatgatgtgg caatggagtg t 271

<210> 9387
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 9387

 tgtagggtta aagtctcacg attgtcacgt gtcattgcaa caattgttag ccgtggctat 60
 acgagatatc ttgcaaaca aagtcagggt agcgataact cgctgtgct ttttcttcca 120
 tgctatatgt agcaaagtca ttgatccagt caagtttgat gagttggaaa atgaggccgc 180
 aattatactg tgtcagttgg agatgtattt tccccctgct ttctttgaca tcatgattca 240

cttgattgtg catctggtaa gagaaatcaa atgtcgtggt cctgtctatc tacggtggat 300
 gtacccgatt gagcgataca tgaagatctt aaaaggggat acaaagaatc tatattgtcc 360
 agaagcatct attggtgaga ggtacattgc agaagaagcc tttgattttt gttaaatact 420

<210> 9388
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9388

tatagaatat ataataagag aactatgact attgaagaat ctattcatgt ttccttttat 60
 gagtctaatt ctattcctcc aagaaaggat attttagatg atattgcaga atcttttagaa 120
 caaatgcata tttatggaca agattctaaa ggaaaaggaa gcaatgaaga tcctccagta 180
 gaagccaaat caaatgatga acttctgaga gaatggaaag cttcaagaga tcatcccctt 240
 gacaacatta ttggtgatat ctcaaaagg gtaacaccta gacattctct taaagatnta 300
 tgcaataata tggcttttgt gtgtatgatt gaacctaaaa atntaagtga agccataata 360
 gatgatcatt ggatagtttc tatgcaagaa gaactaaatc agtttgagag aaataatgtg 420
 tgtgaactag tagagaaacc tgaaaact 448

<210> 9389
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 9389

tctcgatata ttatgcgcct gaatcagact tccgtttcaa aagttatgac catatgaatt 60
 tctcgatata ttatgcgcct taatcggact ttcgtgtgac aagttatgtc catttgaatt 120
 tctcgatagc attcgttggt caatttcgag cgtctcgata tattatgcmc ctgaatcgga 180
 cttccgtgtg acaagttatg accatttgaa tttttcgaga gcatccgttg ttagatttcg 240
 agtttctcga tatattatgc gcctgaatcg gacatccgtg tgacaagtta tggccatatg 300
 aatctctcca gagcatccgt tgetcaattt cgagcgtctc gatataatct gcgcgttaat 360
 cgaacttccg tgtgacaagt tatgac 386

<210> 9390
 <211> 202
 <212> DNA
 <213> Glycine max

<400> 9390

agcttctcta tatattatgt gcctgaattt gacttgcgtt tgaaaaatta ttaccatttg 60
 aatttctcca gagctttggc tgttcatttc gagtgtctcg atatattatg cgctgaatc 120
 ggacttttgt gtgacaagtt atgaacattc gaatttctcg agacctttct gttttcaagt 180
 tagagcgctc taatatgtga tg 202

<210> 9391
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9391

cgtttcctat cctatcggtc cactgcactt tcctttttct attatgtctt atctgatttc 60
 cgtgcaattc ctctttttcg cactggcaac aaagaattgg aatcactctc atcttctcta 120
 ttgctatgat cttcaacctt tctgccctct aaagaagcca ctgtcagagt cacagtcaca 180
 gccataggct tgtttatgca gccattagta tccttggttg actttntagt atccatcaat 240
 aataacaaca ctctttatgc tctctctctc tctctctggt acgttttccg tggcagaccg 300
 aagtagaaaa aacgaaaatt cacggaaatt aatgaactgg aagaatacca tttgacccat 360
 tgacctgaaa atcacagcgc aag 383

<210> 9392
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9392

tgtccttcac ggcaaacatg atagcactgg catgttctgc agcattttct acaattggaa 60
 gcaagatgac agaaataaaa gccactgaca tattcaatga ctcagatgct ccctgcaaga 120
 gaccagaaac acaatgtcaa tgaatgaact tatgatgcag aatttatgga taataggaat 180

attgtgaatg tatgaataca gagttttgat gatgtcaaag taaaatcaaa caaggttggt 240
tcaacaaaca ttattgcttt aagattaatt caaggtcaaa caaataagat caagaaaaag 300
ataaggtctc aaataatctc actggttgat ngatttttgc cttaaaacaa attgtttcca 360
agagatcaaa ggctctagta ttcgattact aggcaatgta atcgattacc aggagacaag 420
tttaccaaat caactttaaa aaa 443

<210> 9393
<211> 388
<212> DNA
<213> Glycine max

<400> 9393

agctttgatt tcttgaact gctcctcact ctcacaaaca agaccagcgg agcagtatac 60
gcttaacacc acttcaagtg tcagctcatt aggttcacaa ttgctttttt ccatttcaac 120
ataagatttt acagcctctt catactgacc ttcttgctta aaagctttga tcacaccatt 180
gaatgaatgc acatcccggt ttaaaccaga ctcattcatc ctggataaaa ttgcttctgc 240
ttctttgtac agtccccccc ttgcaaagtc atgaatgaat gaattgtagg tctcaacagt 300
tggtttgctt ccaacttcat tcatagtgtt aaacacaaca agagcctctt catacagtgc 360
agcctgcccc aacgctcatc acccagta 388

<210> 9394
<211> 360
<212> DNA
<213> Glycine max

<400> 9394

tgacagggtc aggtgcaggt gctgctactg gtggaggcac ttgaatttgg ttgccagacc 60
tcaaggtgat ggcaactcaca tttttcggat tctgcacagt ttgtgaaggc aatttgtcag 120
aattctggga ctgagcttgg ttcattctgag tagccatctg ccccatctga tttgtcagac 180
tctgaataga agctcttgtc tcttgctgaa attgcatatt ctggatgggc atttgcctca 240
ctaactcttc taaggaaggt tgaggagggg ccttagttgc ttgttgcctt tggttgtgtt 300
gctactgctg ctactgtaat ggaggaagaa catatggctt gcttggacca gcaacatttt 360

<210> 9395

<211> 425
 <212> DNA
 <213> Glycine max

<400> 9395

gtgggagggtc tggacttgac atccgaactg acattcatgg ctgattctgt ctgcctcgag 60
 cttcagagtg ggaatgccag catcagcaact tatgatgcgg atgaattggg cgtctgagtg 120
 aagcggatgg ccatacgagt gatgccatat cttgactgca tcattcttgg aggatagaca 180
 tgtggtggag ctgctgggga catgggggtgt acatagggtg gaagtgtaca ttgatctggt 240
 gccctcaagt agaacttcac tcttctcatt atgtaccgcg cctgctgact acgtgaaggt 300
 gacatggtat gcttcatgac acagctgaca gatgctgatg aagattgcag acagacccta 360
 taccaacagg gcttggatca gactacgaag tccatcatga gcgtgctttg ccattgcaat 420
 gacct 425

<210> 9396
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 9396

agctttccat tttatagcta cagaatgtta atgatgtcat ggatgcaatt caagccaacc 60
 taaagaaaaa agaacagatt gaggagcttg tcttggagtg ggataatgac ccacaagatt 120
 cgcaaattgc caaagatgta cttcaaaact tgcaaccatc aacaaattaa agaaactcaa 180
 cattagatcc tatggcggca caatctttcc aaaatgggta agtgattctt caaattccaa 240
 tgttataacc cttgtcatca ctgattggaa ttattgttgg tcactttcac catttgggtca 300
 attaccttct cttaaggagc ttgtcattat gaggatgcac atggtgaatg gtatagggtca 360
 tgaaatctac t 371

<210> 9397
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9397

nttaagaaga caatttccaa tcatgctatc ctatgcaatg actattaaca agtctcaagg 60

ccaatcactt tctatagttg aactttaatg gccaaaacca gtttttagcc atggacaatt 120
 atacgttgca ttatcaaggg tcaattcaag gcaaggatta aaagttctta ttcattgataa 180
 agagcaaaaa aatatgactt ctactactaa tgtagtcttc aaagagggtt tcaaaaatct 240
 tacaaggtaa ctctaaatct tcaaacaaca aattgtacta tctattgaca acaattccta 300
 actgttatct tactcttata cattctaaca tacagccaaa gatgatata tatattacaa 360
 tgttaaattt tacattgtca ggtatgtaat cttaatcacc acattaatat catccattta 420
 taatttca 428

<210> 9398
 <211> 342
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9398

ngctcgtctt gctgatattt atcatgcaca cttttcttat gatgacctac gaacaattag 60
 ggatcaactt gaaacttatg tgcttcaagt gagaagaaat gcttcttttt ccacttgtga 120
 agatgttcaa agtttggtta tgaagatggt tcagactgag aaacatttgg tatttccatt 180
 ggtttataaa cttattgagc tagctntgat attgccggtg tcgacagcat ccgttgaaag 240
 agctttttca tcaatgaaga ttatcaagtc taaattgcgc aataagatca acgatgtgtg 300
 gttcaatgac ttgactggat gttacaccga gcggcacata tt 342

<210> 9399
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9399

ggcttctaag catcgctcca taggaatggt tcaatttttc ttagtagcat gtaaaatggc 60
 ttgcctttt ttgcgagctt cgggaggaac ttggacaaag acgctagtct accatttagc 120
 tnttgaactt ctctgatgtt agtaaggcta tgtatttcta gtattgcagt acacttgtca 180
 aggttagctt cgattcccca gtaggtgatc atgaagccca aaaaaatttt gtcgctgatc 240
 ccaaagggtgc acttctcaag attgagatgc atgtcactact tgctagtctc tccgaacact 300

tccttcaa at ctgctacatg ttaagctatg ctgtgagact tgacaacccat gtcattccaca 360
tagactttga cattttctgcc tattnttcat ttgaagaccc agtccatgag ccttttgtat 420
gtagctttct cattc 435

<210> 9400
<211> 229
<212> DNA
<213> Glycine max

<400> 9400

tctcttagat ctttaagtgc agattttcag gaatatgatt gatctcatcc agcgcaagtt 60
gttgagccc agatacgcac actgctatat aaacatgaat gctgcacgag ttttccacca 120
agtccgggat tgaagagtta ttttgtgagt tttgggactt gagggttttg tgagccacct 180
tgatgttacc ctaacatcaa gcgttggacc tgagtgtgtt gaggttgatc 229

<210> 9401
<211> 342
<212> DNA
<213> Glycine max

<400> 9401

agcttcttag tttcagatga tgcagatggg tttgtagcta cctcatgcac tcctctaattg 60
actatggcat cattttctggc gctaaactgc tgggagttgg aggccatctt ctcaattaaa 120
tttctggcct cagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180
cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ttctgaaatc 240
tgatgggtgg ggcaactggc acatagtttc ttaaattctt ccagttactc atacaggctc 300
tctccactga gttgtcaa at acctgagata tccttctga tg 342

<210> 9402
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9402

nttccattct gcagtagcag atctgtaa ac tttgaatttc cctatgaatt tagttactcg 60

cataaagtct attgttattc ctcaaccaag gttctcccca cgcacagaga ttagcaccag 120
 acccagttga ccgtctcagc tcttccttca acaatatttg agaagcgtag atgctacacc 180
 acacatagga tggaatgtga cctacaacaa cgtccaaaaa atccctccta gggaaatatt 240
 tatctttgaa aatcctagaa accatagttt tgggtgttga tagaaacatc cagccttggt 300
 tccccaacat tgccaaatta aagccacaaa agtctcaaaa tctatgccca ttctttctta 360
 ataacggtta atctttccca agttggaata actgagaatc tagaaggggg ttgaatagat 420
 tcttttaaat gttta 435

<210> 9403
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9403

ctaagctatg ctgcnacatt acaacaaacc tctccacct catcatcaaa atcaaccaca 60
 gcagaacaat tatgacctct ccagcaacag atacaatctc ggatggagga atcacccata 120
 tctcagatgg tctagccctc aacagcaaca acaacagcct gctccttcct tccaaaatgt 180
 tgttggtcca agtagaccat acgttctctc tccaatacaa caacaacaac aacaacaaca 240
 gccccagaaa caacaaacag ttgaggcccc tccgcaacct tcccttgaag aacttgtgag 300
 gcaaatgact atgcaaaaaca tgcagtttca acaagagacc agagccttca ttcagagctt 360
 aactaatcag atgggacaat nggctacaca gttaaataca caactgtccc agaattctga 420
 cagattacct tctcaatctg tc 442

<210> 9404
 <211> 341
 <212> DNA
 <213> Glycine max

<400> 9404

agcttcccag atccgatcat ggaagggctt ggtttctgcc ttcattaggc agtaccagta 60
 caatacggac atggctcccc atcggaacca gttcagggt atgactaaac gagagcatga 120
 gtccattaag gaatatgccc agagatggag agatctcgca gcccaagtcg taccgccccat 180
 gacggaaagg gagatgatca caattatggt agatacgtta cccacgttct actatgaaaa 240

gctgataggc tatatgccag ctaactttgc ggatctcggt ttcgccggag aaaggattga 300
 ttccgggcta cgaaaaggca agtttgatta tgctgccctt a 341

<210> 9405
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 9405

tgagatggaa gacaaccctt ccttgtaatt gtgtggttta ttataatatt taataatttt 60
 atcactactag aattaaatt ttatattata gtaattatat ttaaaaaaaaa ttataatatt 120
 ttaaaattat ttgatataatc atttttgtaa atcaaaataa atgtaataata aatttttttaa 180
 atatataaaa atgagtttca ttcaataatc tttttaattt tgttcaattc attaaaactt 240
 ggcacaaata attaacttat ataattataa ttcaatgtta gatcaataaa ataataattct 300
 atataaattt attactata aaaaaagtaa ttattagtgt aatatactgt cttgtgttat 360
 gtagttaaaa gaaagtataa taataaagtt gatttcttct catttatcgc agaaagag 418

<210> 9406
 <211> 320
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9406

agcttgattt cctttggtcc ggaaaccttt cttttctcat gtgcacccaa accaatctc 60
 cgggttcgaa gacaaccttc tntctccctt tggttggttg gttagcatag nctttattct 120
 tcctctcaat ttgatctttg actctctcat gaagcttctt cacatagtcc gcctttgctt 180
 gaccttcttt atgcttaaaa acagaaacat tatgcatagg caaaagatca agaggagtta 240
 gtgggttaaa accataaaca acttcaaaag gagaacaatt agtggtgcta tgaacagctc 300
 tattgtaagc anattcaaca 320

<210> 9407
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9407

agctttgaat gcactattca atggagttga caagtacatc ttcagactga tcaacacttg 60
cacagtggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120
gaagatttcc agattgcaac tcttggctac aaaattcgaa aatctgaaga tgaaggagga 180
agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgcct gcactgcctt 240
gggagagagg ataacagatg anaagctggg gagaaagatc ctcagatcct tgcctaagag 300
aattgacatg aaagtcactg caatagagga ggccaagac atttgcaaca tgagagtaga 360
tgaactca 368

<210> 9408

<211> 433

<212> DNA

<213> Glycine max

<400> 9408

tgcactaaag aatgctaattg tagatttgca aaataattta ataactgaca tagtgatagg 60
aaatcgaata aatagaatga gaatagaaat ggatagaata gaagtgagga gtacacttag 120
taataaagga tgtgggattg aaacgtggga aaaataagat gcataatgag atattttataa 180
tgtattatta attaaactaa ctagctaggc aatgataaaa aaagaaaatc acattgaagt 240
ataaacgata gagacaataa agaaatacaa taaaataaag agctattcac taatatgtat 300
aattatTTTT atTTTTTtat tTctTTTTct tTattTTTTct tTgtTTTTctt tTTTTTgttt 360
tttgtTTTTg tttctTTTTg gctTTTTTgt caaagtcaaa ggattgactc tgacttaatc 420
aacactgtta gac 433

<210> 9409

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9409

tgtaatcgat tacacacaaa ctgtaatcga ttacatagc atattttcag aaaatattct 60
caacagtcac atctTTTTat ttggTtcttg aatggctatc aaaggcctat atatatgtga 120

cttgagacac gaatttgaaa agagttttcc agaacaaaaa ggtcttatcc tcttaaaaag 180
 caaaatcgat ttatcctctt acaaattcct tggccaaaac acttgatgatt caataaggaa 240
 ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagatttct tcttctcttc 300
 ttctttattc tgaaaagga taaagagatc gagggctctt tgttgatgaaa gaattctaaa 360
 cacaaacgaa ggattgtcct tgtgtgttta gaactngtaa aacgaattta caagatagtg 420
 gaactctc 428

<210> 9410
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9410

agcttgaaat gttagccaac gaattgtatc aatataggtc ttgagtcata agcgattctt 60
 ggcaacttgt tctgaacttt gcacatttat gatgttcttc atgtgctttg actgattcaa 120
 caagtcttta caagccttca ttgcattgtt atgtggggag caaggactat ctccaatgtg 180
 attaagaaat gcacaatttt tccagcatta acctttctac atgatctaaa tctttgtcta 240
 ttaagacatt tgatccaaaa atgatcactt tgctttgtac tgaatagata gcataacaaa 300
 caataaactc tatcattaga tggngaatac tctagcccag aaagaaacat ttaaaccaag 360
 tacattggaa aatgcctgga tgtttctctt a 391

<210> 9411
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9411

agcttgtgca ttcaatatcc tgatgattgt gttccatag ttctcaagac tggactaata 60
 catttgctgc ccaagtttca tgggtcttgca agtgaagatc ctcatatgca tcttaaggag 120
 ttccatattt ttgttccac catgaagccc cctgatgtcc aagaagatca tatatttcta 180
 aagggttttc ctcatctctt ggagggagtg gcaaaagatt ggttgacta ccttgctccc 240
 aggtccattt tcagttggga tgacattnta ggcacagggc aacttagtgg agagagcttg 300

tatgctgact angaaagatt caagaaatng tgtgcaagct gtcctcacca ccagatttct 360
gagcaacccc ntcttcatta tttctatga 389

<210> 9412
<211> 343
<212> DNA
<213> Glycine max

<400> 9412

agcttgctga ccagtaatgt tctcctataa tagcacacca taagcataga catcagtctt 60
ttcatctact ataccatgca taaagaattc aggaggaagg tagctgctgt agcatccaag 120
gttaatgcaa aagaaaaaca taaaaaaaaa agtgtcaatt aattggtgaa aagaaggaaa 180
gaaaaaaaaa tgtaacata gaaagattgt gaagatgtta aatatacaaa ctccgaatgt 240
gccttccact ttggagacgg tgtgatgagt ccattggtcg ggcaaccact ttgcaagccc 300
aaaatcagat atctggtgta agattagcat taaacaaact tac 343

<210> 9413
<211> 363
<212> DNA
<213> Glycine max

<400> 9413

tatcattgaa caacgaaagc tgtcaagaaa ttcaaattgt cataacttat cacacgggag 60
tccgattcag gcgcaaaata taccgagacg ctcgagattg cacaacggaa gccctcaaga 120
aattcaaatg gtcataactt atcacacgga agtccgatga acgtgcatag tatatcgaga 180
agtcataat tgagcaacga aagctctcaa gaaattcaaa tagtcataac ttatcacacg 240
gaagtccgat gtaggcgcat aatatatcga gacgcttcga attgaacaac gaaagctctc 300
gagaaattca agtggtcata acattgtcaa cggaagtctg attcatgtgc ataatatatc 360
gag 363

<210> 9414
<211> 315
<212> DNA
<213> Glycine max

<400> 9414

agcttgaaat tgaacaacgg aagctctcga gaaattccaa tggtcataac ttatcacacg 60
 gatgtccgat tcaagcgcat aatatatcca gacgctcgaa attgaacatc gaaagctctc 120
 gagaaactca aatggacata acttgtcaca cggacgtccg attcaggcgc ataatatatc 180
 gagacgctcg aaattgaaca acggatgctg tcgagaaatt caaatgggtca taacttgtca 240
 cacggaagtc cgatttaggc gcataatata tcgagacgct cgaaattgaa caacgaaagc 300
 tctggagaaa gtcaa 315

<210> 9415
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 9415

agcttatgaa caacaaaaga agtttgagtc cttgagggtt aggaagagat gactcatgtg 60
 aactaataat aactaattgg aagtaaagta ctacatattt tttcaaaaat tgacttattt 120
 aaagtgaata aaaataaaat aagtaatttt ggttgttcaa aagaaaatca actaataata 180
 tttcaataaa ttcacaactt attatgtttg tgtatgtaat attgattatt gattttttca 240
 aactaagtat ggatactttc aatatattga aatttgaatc ttcttttcaa tgctttcaag 300
 ttttgaatac ggaaaagtta actaaaagga ctggatcatga acccttattt ctgtcaatga 360
 agattcaagc ctttataaag atgatgcata ccaagtctca taaaagt 407

<210> 9416
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 9416

tgtaattgag caacggaagc tttcgagaaa tttaaattgt catcactttt cactcggaag 60
 tccgattcag gcgcatcaca tatagagacg ctcgaaattg aacaacggaa gctctcgaga 120
 aattcaaagc gtcataactt gtcactcgga ggtccgattc aggcgcataa tatatcgaga 180
 cgcttgaaat tgagcaacag aagctttcga gaaattcaaa tggacatcgc ttttactcgc 240
 gaagtccgat tcaggcgcat cacatataga gacactccaa attgaacagt ggaagctctc 300
 gagatattca aatggtcata acttttaact cggagggtccg attcatgcac acaatatatc 360

gagacgctcg aaattgaaca acggaagctc ttgagaaatt caaacggtca ttacttttca 420
ctc 423

<210> 9417
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9417

agcttcaaca tcagaccact tccagggtgc tggaactact tcacatggac ttgatggggc 60
ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggttgat gatgatttct 120
ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
aattgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc aggagtgacc 240
atggcagaga gtttgaaaac agcaagttta ctgaattttg cacatctgaa ggcatcactc 300
atgagttctc tgcagccatt acaccacaac aaaatggcat agttgtaagg gaaaacagga 360
ctttgcaaga agctgctagg gtcattgctc atgccanaga acttccttat aatctctggg 420
ctgaagccat gaacaca 437

<210> 9418
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9418

tcaagaaaaa gatggcctca gcaaactcct tattttcata agggaattct atcaatagac 60
ctccaatctt taatggagag gggtaccatt actggaaaac ccaaagcaa atttgattg 120
aggcaataga cctaaatatt tgggaagcca tagaaatagg gccttatata cccaccacag 180
tggaagaat tacaatagat ggcagttcat caagtgaag tataacttta gaaaaaccta 240
gagatagatg gtctgaagag gatagaaaac gagtacaata caatttaaaa gccaaaaaca 300
taataacatc tgcctgnga atggatgaat atttcagggt ttcaaattgt aagagtgcta 360
aggaaatgtg ggacactctt cgattaacac atgaaggaac tacagatgtt aaaagat 417

<210> 9419

<211> 430
<212> DNA
<213> Glycine max

<400> 9419

agctagtgga gagatcttcc tctcttcttg ttgcacacgt gccgcgaaaa atgcttagtc 60
accattctac tcaaactgaa aagattttca actcattcaa caagtttgaa gatgtataca 120
agggaaggt cacactacat tcctataagg gcatttctcc ttatgctaca atgcacaatg 180
atgtgtgcta cttggcactt gaaaagagaa caacttttat catcatacct tttcataagc 240
aatggatact tggagggaca actgagtcac cttttgcttt taagcagctc aataagaatg 300
tcctagagaa agctccttgc tcagttggtg tcctcattga tcgtggtaac caaaagatgt 360
tttggtgtgg cttcaaaaag ggatcaatat atcaagtagc tatgctcttc tttggtggtg 420
cagatgatcg 430

<210> 9420
<211> 412
<212> DNA
<213> Glycine max

<400> 9420

tgcgagctcg gccggaatcc gaaattgagg agatgttgca gaccttaggt gtggctttgc 60
tgtgtgtgaa ctcaagccca gatgacagac cgaccatgaa agatgtggta gcaatgatga 120
aggaaattag gcaggagaga gaggaatgtg tgaaagttga catgcttctt aatgcatctt 180
ctgcaaatga gcaacaagaa agaaatcatc tcaactgaaga accaatgtca atgataagca 240
ccagcagcac aaatctgcat ctgcattact ctccccatcg ccctcaaaca ccaaagtaac 300
ttccaaatag ttaaataatta gcaatgtgtc ttggcaacta agatttcctt agcaagaatg 360
gtttctgtcc tgttatcatt aattaattca gttcatatt tttggtttct tt 412

<210> 9421
<211> 428
<212> DNA
<213> Glycine max

<400> 9421

agcttgccct gcccttgat atatttgagg gactcatggt cactatgaat gacaaattcc 60

ttgggataaa ggtagtggtg ccatgttttc aaagcccgtg ctaaggcata caactcctta 120
 tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180
 tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240
 aaagattttt gaaagtttgg caacgcaagt atggggggcat tagttagctt ttgcttaaga 300
 acattgaaag cttcttcttg tttctctccc catttgaaac caacattttt cttgagcact 360
 tcattgagag gtgctgcaa tgtgctaaaa tccttcacaa atcgtctata aaaacttgct 420
 aagccatg 428

<210> 9422
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 9422
 tcacacagtt tatcattctc aaacttgagt tttggaagac caattactaa gtctttccta 60
 actagatgat ttaaagtatt catattattg tgtgcagtcc tacaatgcca caaccatgaa 120
 tcattctatt tactcaccaa gcaacttagc tcatgaaaag atgcatgctc aacatttagc 180
 atatagatgt tacctatcct tttaccaatg tggacaactt taccagatat ggcttcactt 240
 ataagacaac aatttctatt gaattcaatc ttgaaacctt tatcacaaat ttgactaatg 300
 cctataagat tatgctttat tccatccaca tataacacat tctttatcta agttttgtgt 360
 tgattcccta tatttccttc tcccattata 390

<210> 9423
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9423

agctntgaga aaaatctaac gacaataact tttaactcgg atgtctaate gagccctgta 60
 atatatcgag acgctcgtaa ttgaaaacgg aagctctaag aaaagtcaaa cgacaantaa 120
 ctttaactcg gatgtctgat cgagccctat aatatatcaa gacgctcgaa attgaaaacg 180
 gaagctctaa gaaaagtcaa acgacaataa cttgtaactt ggatgtccga ttgagccctg 240
 taatatatcg agacgctcga tattgaaaac ggaagctcta agaaaagtca aacgacaata 300

aactttaact cggatgtccg attgagcgcc gtaatatatg gagacgcttg taattgaaaa 360
ctgaggctct aagaa 375

<210> 9424
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9424

ntgatggtgt cgagaagaaa tcacatgttt gtcacatca aaaaggggga gaatgtgaat 60
gtatgtatac atgattttga tgatgtcaaa gaagaatcta acaaggctgc ttcaaagat 120
aagcatttgc ttcaagaata attcaagatt gcttcaaca acaaagcctt gtttcaagat 180
tcactaaaga ccaagccttg ccttaaaaca aagtgtttc aagacatgca aggctctggt 240
aatcgattac caggaagtgt aatcgattac cagaagacag ggttgagaaa tagctgttga 300
aaaatgtttt gaatttgaat nttcaacatg taatcgatta ccatatgtct gtaatcgatt 360
accagcaacg aaactttgga aatcaaattc aaaagtcata cccttcaa at 412

<210> 9425
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9425

agcttgaaat tgaacaacgg aagctctcga ganattcaaa tgctcataac atttcacacg 60
gatgtccgat tcagatgcat aacgtatcta gatgtcaca attgaaaaac agaagctctc 120
gagaaattca aatggtcata acttttaaca tggatgtctg attccgaagc ataacatc 180
gcgacgctca aaattgaata agagaagctc tcgagaaatt caaattgtca taaattttca 240
cacggatgtt cgattcgggg ataaaatatg ttgagatgct tgaaattgag agataaaagc 300
tctcgtgaaa ttccaatggt cataactttt cactcggatt tccgattcat gacacttgaa 360
attgaccaac ggaagctant gtataaatcg aatggtcgta acttttcaca c 411

<210> 9426
<211> 430

<212> DNA
<213> Glycine max

<400> 9426

agcttcttag tttcagatga tgtagctgag tttgtagcta cctcatgcac tcctctaata 60
actatagcat catttctggc gctaaactgt tgggagttgg aagccatctt ctcaattaaa 120
tttctggctt cagcaggagt catgtctcca agggctccac cactggcagc atctatcgta 180
cttctctcca tattactgag tccttcataa aatattggag aagcagctgc tctgaaatct 240
gatggtgagg gcaactggca catagttttt taaatctctc ccagtattca tacaggctct 300
ctccactgag ttgtctaata cctgagatat ccttcctgat ggttgtgggc ctggaagcag 360
ggaaaatttt ttctaagaat actctcttca ggtcatccca gctcgtgatg gaccttggag 420
caaggtaata 430

<210> 9427
<211> 381
<212> DNA
<213> Glycine max

<400> 9427

taagctcctt caattgcaca aggctcttaa tatttgaaga gtatccttgt ggaaccttca 60
cccaacgaag aactgacaa aaacttatct tctccttctt ggacaaaagta tggcaggctg 120
ggggcaagta aattttcttc ccattagctc ttggatgcaa ctgtgattgt gtacccatat 180
cagctagatc ttgatgggta ttcaagacat ccttcatttt gccttgaatg ttaaggagcg 240
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